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ESTIMATES OF APPROPRIATIONS  
FOR THE  
DEPARTMENT OF AGRICULTURE  
REQUIRED FOR THE SERVICE  
FOR THE FISCAL YEAR ENDING JUNE 30, 1910



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UNITED STATES

DEPARTMENT OF AGRICULTURE

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ESTIMATES OF APPROPRIATIONS

FOR THE

DEPARTMENT OF AGRICULTURE

REQUIRED FOR THE SERVICE

FOR THE FISCAL YEAR ENDING JUNE 30, 1910.

NOTE.—Matter or items which appeared in the last appropriation act and proposed to be omitted from these estimates, inclosed in heavy brackets, thus **[ ]**.  
New or substituted matter printed in italics.





## UNITED STATES DEPARTMENT OF AGRICULTURE—DIVISION OF ACCOUNTS AND DISBURSEMENTS.

Comparison of estimates of appropriations for 1910 with appropriations made for 1909.

TITLES OF APPROPRIATIONS.	Subappropriations for 1909.	Total of Appropriations for 1909.	Subestimates for 1910.	Total of Estimates for 1910.	Increases.	Decreases.
Salaries, Office of Secretary	\$125,300	\$132,900	\$154,700	\$162,300	\$29,400	
Emergency roll	7,600		7,600			
WEATHER BUREAU.						
Salaries, Office of Chief of Bureau		202,510		204,310	1,800	
Fuel, Lights, and Repairs		10,000				
Contingent Expenses		11,000		25,000	4,000	
Salaries, Station Employees		586,750				
General Expenses		852,000		1,412,950		\$25,800
BUREAU OF ANIMAL INDUSTRY.						
Salaries		83,660		115,100	31,440	
General Expenses	947,200	997,200		1,043,760	96,560	
Animal Feeding and Breeding	50,000			50,000		
Eradicating Cattle Ticks		250,000		300,000	50,000	
BUREAU OF PLANT INDUSTRY.						
Salaries		187,410		189,950	2,540	
General Expenses		896,266		1,127,006	230,740	
Purchase and Distribution of Valuable Seeds	202,000	258,000	197,680	243,680		14,320
Foreign Seeds	56,000		46,000			
FOREST SERVICE.						
Salaries		144,300		60,200		84,100
General Expenses		3,151,900		4,956,319	1,804,419	
Improvement of the National Forests		600,000		974,981	374,981	
BUREAU OF CHEMISTRY.						
Salaries		66,720		83,240	16,520	
Laboratory		760,000		916,760	156,760	
BUREAU OF SOILS.						
Salaries		34,700		34,500		200
Soil Investigations		200,000		252,600	52,600	
BUREAU OF ENTOMOLOGY.						
Salaries		26,160		27,880	1,720	
Entomological Investigations		158,800		199,800	41,000	
Preventing Spread of Moths		250,000		300,000	50,000	
BUREAU OF BIOLOGICAL SURVEY.						
Salaries		7,580		13,000	5,420	
Biological Investigations		54,420		90,170	35,750	
DIVISION OF ACCOUNTS AND DISBURSEMENTS.						
Salaries		46,690		56,090	9,400	
DIVISION OF PUBLICATIONS.						
Salaries		139,719		141,980	2,270	
Publications, Department of Agriculture		40,000		70,000	30,000	
BUREAU OF STATISTICS.						
Salaries		96,640		104,580	7,940	
Collecting Agricultural Statistics		125,000		136,200	11,200	
LIBRARY.						
Salaries		18,080		20,160	2,080	
General Expenses		15,500		16,500	1,000	
MISCELLANEOUS.						
Contingent Expenses		86,200		70,000		16,200
Paper Making		10,000		15,000	5,000	
Naval Stores Industry		10,000				10,000
National Bison Range		40,000				40,000
OFFICE OF EXPERIMENT STATIONS.						
Salaries		34,620		39,480	4,860	
Agricultural Experiment Stations, to be disbursed by the Treasury Department		720,000		720,000		
General Expenses	30,000	123,000	34,800	143,800	20,800	
Farmers' Institutes	10,000		10,000			
Station at Alaska	26,000		28,000			
Station at Hawaii	26,000		28,000			
Station at Porto Rico	26,000		28,000			
Station at Guam	5,000		15,000			
Nutrition Investigations		7,000		10,000	3,000	
Irrigation Investigations		150,000		156,880	6,880	
OFFICE OF PUBLIC ROADS.						
Salaries		12,390		16,210	3,820	
Public Road Inquiries	73,000	75,000		110,240	35,240	
Rent	2,000					
Total of Agricultural Bill, which includes \$720,000 for Agricultural Experiment Stations, to be disbursed by Treasury Department		11,672,106		14,610,626	3,129,140	190,620
Net increase in Agricultural Bill	2,938,520					
Per cent of increase	25.2					
PERMANENT APPROPRIATIONS.						
Meat inspection, Bureau of Animal Industry		3,000,000		3,000,000		
Agricultural Experiment Stations (Adams Act)		528,000		624,000	96,000	
APPROPRIATION IN SUNDRY CIVIL BILL.						
Printing and Binding		460,000		510,000	50,000	
Grand total of all appropriations for the Department of Agriculture		15,660,106		18,744,626	3,275,140	190,620
Net increase	\$3,084,520					
Per cent of increase	19.7					

Prepared under the direction of the Secretary of Agriculture.

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.	
		Vol. or R. S.	Page.	Sec.				
DEPARTMENT OF AGRICULTURE.								
Salaries, Department of Agriculture— Office of the Secretary:								
Secretary of Agriculture -----	Feb. 9, 1889 Mar. 2, 1889 Feb. 26, 1907 May 23, 1908	25 25 34 35	659 853 993 251	3 3 4 1	} \$12,000.00			
Assistant Secretary of Agriculture -----	Same acts-----						5,000.00	
One solicitor -----	do -----						4,000.00	
Chief clerk, \$2,500, and \$500 additional as custodian of buildings -----	----- May 23, 1908	R. S. R. S. 35	27 87 251-2	167-9 522-3 1		} 3,000.00		
Private secretary to the Secretary of Agriculture-----	Same acts-----						2,500.00	
Stenographer and executive clerk to the Secretary of Agriculture -----	do -----					2,000.00		
Private secretary to the Assistant Secretary of Agriculture -----	do -----					1,600.00		
Stenographer to the Assistant Secretary of Agriculture-----	do -----					1,400.00		
One appointment clerk -----	do -----					2,000.00		
One chief of supply division-----	do -----					2,000.00		
One inspector-----	do -----					2,000.00		
One telegraph and telephone operator -----	do -----					1,400.00		
NOTE.—One telegraph and telephone operator at \$1,200 dropped.								
Three clerks, class four (increase of two submitted)-----	do -----					5,400.00		
Three clerks, class three -----	do -----					4,800.00		
Eight clerks, class two (increase of three submitted).-----	do -----					11,200.00		
Eight clerks, class one (increase of one submitted)-----	do -----					9,600.00		
Eight clerks, at \$1,000 each (increase of three submitted) -----	do -----					8,000.00		
Four clerks, at \$900 each (increase of two submitted)-----	do -----					3,600.00		
One clerk -----	do -----					840.00		
Six clerks or laborers, at \$720 each -----	do -----					4,320.00		
One chief engineer, who shall be captain of the watch -----	do -----					1,600.00		
One assistant engineer -----	do -----					1,400.00		
Two assistant engineers, at \$1,000 each -----	do -----					2,000.00		
Four firemen, at \$720 each -----	do -----					2,880.00		



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>Salaries, Department of Agriculture—Continued.</i>							
<i>Office of the Secretary—Continued.</i>							
Four elevator conductors, at \$720 each-----	{----- May 23, 1908	R. S. R. S. 35	27 87 251-2	167-9 522-3 1	} \$2, 880. 00		
One cabinetmaker-----	Same acts-----				1, 100. 00		
One carpenter-----	do-----				1, 000. 00		
One electrician-----	do-----				1, 000. 00		
One painter-----	do-----				900. 00		
One painter-----	do-----				720. 00		
One plumber-----	do-----				900. 00		
One blacksmith-----	do-----				840. 00		
One lieutenant of the watch-----	do-----				1, 000. 00		
Twenty-seven watchmen, at \$720 each (increase of twelve submitted)-----	do-----				19, 440. 00		
Two mechanics, at \$1,200 each-----	Submitted-----				2, 400. 00		
One mechanic-----	{----- May 23, 1908	R. S. R. S. 35	27 87 251-2	167-9 522-3 1	} 1, 100. 00		
Eleven clerks or messengers, at \$840 each (increase of four submitted)-----	Same acts-----				9, 240. 00		
Two assistant messengers, at \$720 each-----	do-----				1, 440. 00		
Two assistant messengers, at \$600 each-----	do-----				1, 200. 00		
One assistant messenger-----	do-----				480. 00		
One skilled laborer-----	do-----				840. 00		
One skilled laborer-----	do-----				720. 00		
One skilled laborer-----	do-----				660. 00		
Three skilled laborers, at \$600 each-----	do-----				1, 800. 00		
One skilled laborer-----	do-----				480. 00		
Five laborers, at \$600 each (increase of four submitted)-----	do-----				3, 000. 00		
Eleven laborers or charwomen, at \$480 each-----	do-----				5, 280. 00		
One charwoman-----	do-----				540. 00		
Five charwomen, at \$240 each-----	do-----				1, 200. 00		

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>Salaries, Department of Agriculture—Continued.</i>							
<i>Office of the Secretary—Continued.</i>							
For extra laborers and emergency employments—	May 23, 1908	R. S. 35	27 251-2	167-9 522-3 1	\$7, 600. 00	\$162, 300. 00	\$132, 900. 00
NOTE 1.—The following places have been added: Two clerks of class four, three clerks of class two, one clerk of class one, three clerks at \$1,000 each, two clerks at \$900 each, twelve watchmen at \$720 each, two mechanics at \$1,200 each, four clerks or messengers at \$840 each, and four laborers at \$600 each. One telegraph and telephone operator at \$1,200 has been dropped. Net increase \$29,400. NOTE 2.—Salaries of laborers, electricians, painters, and other emergency employees, carried on the lump fund named below on August 15, 1908.							
EMERGENCY APPROPRIATION, OFFICE OF THE SECRETARY.							
<i>In Washington—</i>							
One clerk (temporary) .....					\$1,400.00		
Two unskilled laborers, at \$720 each .....					1,410.00		
Two unskilled laborers, at \$50 per month each .....					1,200.00		
One unskilled laborer .....					480.00		
Six skilled laborers, at \$4.50 per diem each (3 months) .....					714.00		
One electrician's helper .....					600.00		
One electrician's helper, at \$3 per diem (3 months) .....					237.00		
One electrician's helper, at \$2 per diem (3 months) .....					458.00		
One machinist, at \$4 per diem (3 months) .....					316.00		
Two painters, at \$3.50 per diem each (3 months) .....					553.00		
One messenger .....					480.00		
Total .....					7,575.00		
Total for office of the Secretary .....						162, 300. 00	132, 900. 00
WEATHER BUREAU.							
<i>Salaries, Office of Chief of Weather Bureau—</i>							
One chief of Bureau .....	Oct. 1, 1890 May 23, 1908	26 35	653 252	4-5 1	5, 000. 00		
One assistant chief of Bureau .....	Mar. 3, 1903 May 23, 1908	32 35	1148 252	1 1	3, 000. 00		
One chief clerk .....	Oct. 1, 1890 May 23, 1908	26 35	653 252	4-5 1	2, 250. 00		
Four chiefs of division, at \$2,000 each .....	Same acts .....				8, 000. 00		
One librarian .....	Mar. 3, 1903 May 23, 1908	32 35	1148 252	1 1	2, 000. 00		
Seven clerks, class four (increase of one submitted) .....	Oct. 1, 1890 May 23, 1908	R. S. 26 35	27 653 252	167-9 4-5 1	12, 600. 00		
Seven clerks, class three .....	Same acts .....				11, 200. 00		
Eighteen clerks, class two .....	do .....				25, 200. 00		
Twenty-seven clerks, class one .....	do .....				32, 400. 00		
Eighteen clerks, at \$1,000 each .....	do .....				18, 000. 00		
Nine clerks, at \$900 each .....	do .....				8, 100. 00		
Four copyists or typewriters, at \$840 each .....	do .....				3, 360. 00		
One copyist or typewriter .....	do .....				720. 00		
Two assistant foremen of division, at \$1,600 each .....	Mar. 3, 1905 May 23, 1908	33 35	862 252	1 1	3, 200. 00		
One proof reader .....	Same acts .....				1, 400. 00		



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>Salaries, Office of Chief of Weather Bureau—Continued.</i>							
One chief mechanic -----	{ Oct. 1, 1890 May 23, 1908	26 35	653 252	4-5 1	{ \$1,400.00		
One lithographer -----	{ Mar. 3, 1905 May 23, 1908	33 35	862 252	1 1	{ 1,300.00		
Three lithographers, at \$1,200 each -----	Same acts -----				3,600.00		
Two pressmen, at \$1,250 each -----	do -----				2,500.00		
Ten compositors, at \$1,250 each -----	do -----				12,500.00		
One skilled mechanic -----	{ Oct. 1, 1890 May 23, 1908	26 35	653 252	4-5 1	{ 1,200.00		
Six skilled mechanics, at \$1,000 each -----	Same acts -----				6,000.00		
One engineer -----	do -----				1,200.00		
One captain of the watch -----	do -----				1,000.00		
One electrician -----	do -----				1,000.00		
Six skilled artisans, at \$840 each -----	do -----				5,040.00		
Five messengers or laborers, at \$720 each -----	do -----				3,600.00		
Three firemen, at \$720 each -----	do -----				2,160.00		
Four watchmen, at \$720 each -----	do -----				2,880.00		
Five folders and feeders, at \$720 each -----	{ Mar. 3, 1905 May 23, 1908	33 35	862 252	1 1	{ 3,600.00		
Three folders and feeders, at \$630 each -----	Same acts -----				1,890.00		
Six messengers or laborers, at \$660 each -----	{ Oct. 1, 1890 May 23, 1908	26 35	653 252	4-5 1	{ 3,960.00		
Thirteen messengers, messenger boys, or laborers, at \$600 each -----	Same acts -----				7,800.00		
Four messengers, messenger boys, or laborers, at \$480 each -----	do -----				1,920.00		
Five messengers, messenger boys, or laborers, at \$450 each -----	do -----				2,250.00		
One charwoman -----	do -----				360.00		
Three charwomen, at \$240 each -----	do -----				720.00	\$204,310.00	\$202,510.00
NOTE.—One clerk at \$1,800 has been added.							
<b>【Fuel, Lights, and Repairs, Weather Bureau:】—</b>							
NOTE.—The appropriation for Fuel, Lights, and Repairs, Weather Bureau, \$10,000, has been combined with the appropriation, Contingent Expenses, Weather Bureau, under the latter caption -----	{ Oct. 1, 1890 May 23, 1908	26 35	654 252	9 1	{ -----		10,000.00

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<b>Contingent Expenses, Weather Bureau—</b> For fuel, lights, repairs, and other expenses for the care and preservation of the public buildings and grounds of the Weather Bureau in the city of Washington [ten thousand dollars.]; for stationery and blank books, furniture and repairs to same, and freight and express charges; for subsistence, care, and purchase of horses and vehicles, and repairs of harness, for official purposes only; for advertising, dry goods, twine, mats, oils, paints, glass, lumber, hardware, ice, washing towels, and other miscellaneous supplies and expenses not otherwise provided for in the city of Washington [eleven thousand], twenty-five thousand dollars.  NOTE 1.—There is no necessity for having separate appropriations, and their combination will simplify the bookkeeping and the auditing of the accounts thereunder. Practically the exact former wording of the two appropriations has been retained. An increase of \$1,000 is submitted for the purpose of changing and augmenting the power equipment and replacing the worn-out machinery in use in the Weather Bureau at Washington. NOTE 2.—The titles of the principal items provided for above, and the approximate amount of expenditure contemplated thereunder, are as follows: Ice..... \$285 Drayage, freight, and express charges..... 380 Telephones..... 500 Horses and forage, vehicles, harness, etc., and repairs to same..... 1,100 Stationery, furniture, and miscellaneous expenditures..... 8,785 Fuel..... 3,800 Gas..... 300 Repairs to buildings and care of grounds..... 5,850 New engine and repairs to heating apparatus..... 4,000 Total..... 25,000	Oct. 1, 1890 May 23, 1908	26 35	654 253	9 1	}-----	\$25,000.00	\$11,000.00
<b>[Salaries, Station Employees, Weather Bureau.]—</b> NOTE.—The appropriation for Salaries, Station Employees, Weather Bureau, \$586,750, has been combined with the appropriation General Expenses, Weather Bureau, under the latter caption	Oct. 1, 1890 July 7, 1898 May 23, 1908	26 30 35	654 706 253	9 1 1			
<b>General Expenses, Weather Bureau—</b> For carrying into effect the provisions of an Act approved October one, eighteen hundred and ninety, so far as they relate to the weather service transferred thereby to the Department of Agriculture; for the employment of professors of meteorology, inspectors, district forecasters, local forecasters, section directors, research observers, observers, assistant observers, operators, skilled mechanics, repairmen, station agents, messengers, messenger boys, laborers, and other necessary employees, for duty in the District of Columbia or elsewhere in the United States, in the West Indies or on adjacent coasts, in the Hawaiian Islands, and in Bermuda [five hundred and eighty-six thousand seven hundred and fifty dollars.]; for every expenditure requisite for and incident to the establishment, equipment, and maintenance of meteorological observation stations in the United States, in the West Indies or on adjacent coasts, in the Hawaiian Islands, and in Bermuda, including the purchase of stationery, furniture, instruments, storm-warning towers, and all other necessary supplies and materials; for repair and improvement of Weather Bureau buildings now completed and located outside of the District of Columbia, and care and preservation of grounds [including not to exceed fifteen thousand dollars for the completion of the physical laboratory building and the office and cottage building at Mount Weather, Virginia; for the erection of a main observatory building at Mount Weather, Virginia, to replace the observatory building destroyed by fire October twenty-third, nineteen hundred and seven, and for the erection of a central heating and power station thereat, not to exceed sixty thousand dollars.]; for the acquisition of sites and the erection of buildings for the use of the Weather Bureau, and for all necessary labor, materials, and expenses, plans [.] and specifications to be prepared by the Secretary of Agriculture, and the work done under the supervision of the Chief of the Weather Bureau, not to exceed one hundred and five thousand dollars; [for the reestablishment of the Weather Bureau Station	Oct. 1, 1890 July 7, 1898 May 23, 1908	26 30 35	654 706 253	9 1 1	}-----	1,412,950.00	52,000.00



General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.																																																				
		Vol. or R. S.	Page.	Sec.																																																							
<i>General Expenses, Weather Bureau—Continued.</i>																																																											
at Pikes Peak, Colorado, not to exceed five thousand dollars;] for rents of offices; for official traveling expenses; for freight and express charges; for telegraphing, telephoning, or cabling reports and messages, rates to be fixed by the Secretary of Agriculture by agreement with the companies performing the service; for maintenance and repair of Weather Bureau telegraph, telephone, and cable lines; for investigations on climatology and evaporation, including the erection of temporary buildings for living quarters for observers engaged in evaporation work; for river, rain, snow, ice, erop, <i>evaporation</i> , [and] aerial [observations and reports]; , [for] storm, hurricane, and other observations, warnings, and reports, [; including] and for pay of special observers and [display men] <i>displaymen</i> , none of whom shall receive more than twenty-five dollars per month; and including not to exceed thirty thousand dollars for the maintenance of a printing office in the city of Washington, including the purchase of necessary supplies and materials for printing weather maps, bulletins, circulars, forms, monthly reviews, and other publications, and for pay of <i>additional</i> assistant foremen, proof readers, compositors, pressmen, lithographers, and folders and feeders, when necessary; in all [eight hundred and fifty-two thousand] <i>one million four hundred and twelve thousand nine hundred and fifty</i> dollars.																																																											
<p>NOTE 1.—The appropriation "Salaries, Station Employees, Weather Bureau," and the appropriation "General Expenses, Weather Bureau," have been combined under the latter caption. This is done for the purpose of securing uniformity in the appropriations for all the bureaus in the Department, to simplify book-keeping and the auditing of accounts, and to permit of greater economy and efficiency in administration. Items amounting to \$80,000 have been eliminated and \$54,200 added in order to properly print and issue additional weather maps, and to provide salaries, supplies, telegraph service, and other expenses in connection with operating, equipping, and maintaining four new stations (Fort Wayne, Ind., St. Joseph, Mo., East Lansing, Mich., Pikes Peak, Colo.), and seven new observatory buildings (Richmond, Va., Northfield, Vt., Abilene, Tex., Dodge, Kans., Fort Wayne, Ind., St. Joseph, Mo., and East Lansing, Mich.). Provision is made in the current appropriation bill only for the erection of the observatory buildings and for the reestablishment of the Pikes Peak station, it being the intention to appropriate for their operation and maintenance in the next bill. The words "in the Hawaiian Islands," which appeared in previous appropriations, have been inserted in view of Comptroller's decisions (XII, 590; XIV, 11), so that there may be no question as to the legality for continuing the work conducted by the Weather Bureau in that territory. An item has also been inserted for carrying into effect the provisions of the act approved October 1, 1890, transferring the weather service to the Department of Agriculture. This is the organic act pertaining to the Weather Bureau, and it is believed advisable to insert it as a part of the language of the appropriation act. There is a decrease of \$25,800 in the combined amount of the two appropriations.</p> <p>NOTE 2.—The principal items of expenditure and the amounts contemplated thereunder are as follows:</p> <table><tr><td>Salaries of employees at regular stations .....</td><td>\$626,750</td></tr><tr><td>Climatological investigations .....</td><td>25,000</td></tr><tr><td>Evaporation investigations.....</td><td>12,000</td></tr><tr><td>Marine meteorological work .....</td><td>2,000</td></tr><tr><td>River and flood service.....</td><td>40,000</td></tr><tr><td>Storm warnings .....</td><td>35,000</td></tr><tr><td>Fuel, gas, electricity (outside of Washington) ....</td><td>14,000</td></tr><tr><td>Rents .....</td><td>70,000</td></tr><tr><td>Repairs to buildings.....</td><td>10,000</td></tr><tr><td>Buildings and sites .....</td><td>105,000</td></tr><tr><td>Freight and express charges.....</td><td>8,000</td></tr><tr><td>Instruments, shelters, storm-warning towers, etc..</td><td>30,000</td></tr><tr><td>Maintenance and repair of telegraph, telephone, and cable lines .....</td><td>7,000</td></tr><tr><td>Miscellaneous supplies, furniture, printing, etc., for stations .....</td><td>128,200</td></tr><tr><td>Printing office (Washington, D. C.) .....</td><td>30,000</td></tr><tr><td>Telegraphing, telephoning, and cabling reports....</td><td>250,000</td></tr><tr><td>Traveling expenses.....</td><td>20,000</td></tr><tr><td>Total .....</td><td>1,412,950</td></tr></table> <p>NOTE 3.—Salaries of professors of meteorology, inspectors, district forecasters, observers, etc., carried on the lump fund named below on August 15, 1908.</p> <p>SALARIES, STATION EMPLOYEES.</p> <table><tr><td colspan="2"><i>In Washington—</i></td></tr><tr><td>Five professors of meteorology, at \$3,000 each.....</td><td>\$15,000</td></tr><tr><td>One professor of meteorology.....</td><td>2,500</td></tr><tr><td>One chief of distributing division.....</td><td>2,750</td></tr><tr><td>Total .....</td><td>20,250</td></tr></table>								Salaries of employees at regular stations .....	\$626,750	Climatological investigations .....	25,000	Evaporation investigations.....	12,000	Marine meteorological work .....	2,000	River and flood service.....	40,000	Storm warnings .....	35,000	Fuel, gas, electricity (outside of Washington) ....	14,000	Rents .....	70,000	Repairs to buildings.....	10,000	Buildings and sites .....	105,000	Freight and express charges.....	8,000	Instruments, shelters, storm-warning towers, etc..	30,000	Maintenance and repair of telegraph, telephone, and cable lines .....	7,000	Miscellaneous supplies, furniture, printing, etc., for stations .....	128,200	Printing office (Washington, D. C.) .....	30,000	Telegraphing, telephoning, and cabling reports....	250,000	Traveling expenses.....	20,000	Total .....	1,412,950	<i>In Washington—</i>		Five professors of meteorology, at \$3,000 each.....	\$15,000	One professor of meteorology.....	2,500	One chief of distributing division.....	2,750	Total .....	20,250						
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*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>General Expenses, Weather Bureau—Continued.</i>							
<i>Out of Washington—</i>							
Three professors of meteorology, at \$3,000 each.....	\$9,000						
One professor of meteorological physics.....	3,000						
Two inspectors, at \$2,500 each.....	5,000						
Six district forecasters, at \$2,400 each.....	14,400						
Four local forecasters, at \$2,000 each.....	8,000						
Seven local forecasters, at \$1,800 each.....	12,600						
Ten local forecasters, at \$1,600 each.....	16,000						
Thirty-five local forecasters, at \$1,400 each.....	49,000						
Three section directors, at \$2,000 each.....	6,000						
Thirteen section directors, at \$1,800 each.....	23,400						
Ten section directors, at \$1,600 each.....	16,000						
Nine section directors, at \$1,400 each.....	12,600						
One section director.....	1,000						
One research director.....	2,000						
Two research observers, at \$1,400 each.....	2,800						
Ninety observers, at \$1,200 each.....	108,000						
Eighty-five assistant observers, at \$1,000 each.....	85,000						
Seventy-five assistant observers, at \$840 each.....	63,000						
Twenty-six assistant observers, at \$720 each.....	18,720						
Eleven printers, at \$1,200 each.....	13,200						
Fifteen printers, at \$1,000 each.....	15,000						
One skilled mechanic.....	1,200						
One operator.....	1,000						
One expert in vessel reporting.....	840						
Two repairmen, at \$840 each.....	1,680						
Seven repairmen, at \$720 each.....	5,040						
Five messengers, at \$720 each.....	3,600						
Ten messengers, at \$600 each.....	6,000						
Fifty-two messenger boys, at \$480 each.....	24,960						
Forty-seven messenger boys, at \$350 each.....	16,920						
Three station agents, at \$300 each.....	900						
Nine student assistants, at \$300 each.....	2,700						
One unclassified laborer.....	720						
One unskilled laborer.....	720						
One unclassified laborer.....	600						
One unclassified laborer.....	480						
One unskilled laborer.....	240						
Two evaporation observers, at \$5 per diem each (313 days each).....	3,130						
Three evaporation observers, at \$2 per diem each (313 days each).....	1,878						
Total.....	556,328						
Total for Weather Bureau, including statutory salaries.....						\$1,642,260.00	\$1,662,260.00
BUREAU OF ANIMAL INDUSTRY.							
<i>Salaries, Bureau of Animal Industry—</i>							
One chief of Bureau.....	{ Apr. 25, 1896 May 23, 1908	R. S. 29 35	87 101 254	522-3 1 1	{	\$5,000.00	
One chief clerk.....	Same acts.....					2,000.00	
NOTE.—One editor at \$2,000, transferred to lump fund for general expenses.							
Four clerks, class four.....	do.....					7,200.00	
Five clerks, class three.....	do.....					8,000.00	
Sixteen clerks, class two (increase of three by transfer from lump fund for general expenses).....	do.....					22,400.00	
One clerk (by transfer from lump fund for general expenses).....	do.....					1,300.00	
Fourteen clerks, class one (increase of one by transfer from lump fund for general expenses).....	do.....					16,800.00	
Fourteen clerks, at \$1,000 each (increase of six submitted, three by transfer from lump fund for general expenses).....	do.....					14,000.00	
Five clerks, at \$900 each (increase of two by transfer from lump fund for general expenses).....	do.....					4,500.00	
Four clerks, at \$840 each (increase of two by transfer from lump fund for general expenses).....	do.....					3,360.00	
Five clerks, at \$720 each (increase of two by transfer from lump fund for general expenses).....	do.....					3,600.00	
One mechanic.....	do.....					1,200.00	



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>Salaries, Bureau of Animal Industry—Continued.</i>							
One messenger and custodian-----	Apr. 25, 1896 May 23, 1908	R. S. 29 35	87 101 254	522-3 1 1	\$1,000.00		
One carpenter-----	Same acts-----				1,100.00		
Three carpenters, at \$900 each (by transfer from lump fund for general expenses)-----	do-----				2,700.00		
One painter (by transfer from lump fund for general expenses)-----	do-----				900.00		
Three messengers, at \$840 each (increase of two by transfer from lump fund for general expenses)-----	do-----				2,520.00		
Six messengers, at \$720 each (increase of three by transfer from lump fund for general expenses)-----	do-----				4,320.00		
Two messenger boys, at \$480 each (by transfer from lump fund for general expenses)-----	do-----				960.00		
One skilled laborer-----	do-----				840.00		
Three skilled laborers, at \$720 each (increase of two by transfer from lump fund for general expenses)-----	do-----				2,160.00		
Three skilled laborers, at \$600 each (increase of one by transfer from lump fund for general expenses)-----	do-----				1,800.00		
One skilled laborer-----	do-----				660.00		
NOTE.—One illustrator, at \$1,400, transferred to lump fund for general expenses.							
Four laborers, at \$600 each (by transfer from lump fund for general expenses)-----	do-----				2,400.00		
One laborer (by transfer from lump fund for general expenses)-----	do-----				480.00		
One charwoman (by transfer from lump fund for general expenses)-----	do-----				540.00		
Six charwomen, at \$480 each (by transfer from lump fund for general expenses)-----	do-----				2,880.00		
Two charwomen, at \$240 each (by transfer from lump fund for general expenses)-----	do-----				480.00		
NOTE.—Three clerks, at \$1,000 each, have been added, amounting to \$3,000; also three clerks of class two; one clerk, at \$1,300; one clerk of class one; three clerks, at \$1,000 each; two clerks, at \$900 each; two clerks, at \$840 each; two clerks, at \$720 each; three carpenters, at \$900 each; one painter, at \$900; two messengers, at \$840 each; three messengers, at \$720 each; two messenger boys, at \$480 each; two skilled laborers, at \$720 each; one skilled laborer, at \$600; four laborers, at \$600 each; one laborer, at \$480; one charwoman, at \$540; six charwomen, at \$480 each; two charwomen, at \$240 each; by transfer from the lump fund for general expenses, amounting to \$31,840; total increase, \$34,840. One editor, at \$2,000, and one illustrator, at \$1,400, have also been transferred to the lump fund for general expenses; decrease, \$3,400; making apparent increase in the statutory roll, \$31,440; but not considering the places transferred to and from the lump fund for general expenses, the actual increase is \$3,000.							
<i>General Expenses, Bureau of Animal Industry—</i>							
For carrying out the provisions of the Act approved May twenty-ninth, eighteen hundred and eighty-four, establishing the Bureau of Animal Industry, [and the provisions of] the act approved March third, eighteen hundred and ninety-one, providing for the safe transport and humane treatment of export cattle from the United States to foreign countries, and for other purposes [;], the Act approved August thirtieth, eighteen hundred and ninety, providing for the importation of animals into the United States, and for other purposes, [and the provisions of] the Act approved February second, nineteen hundred and three, to enable the Secretary of Agriculture to more effectually suppress and prevent the							
						\$115,100.00	\$83,660.00

NOTE 1.—An apparent increase of \$96,500, but adding the net saving in places transferred to and from the statutory roll, amounting to \$25,440, the actual increase is \$125,000. Of this amount it is estimated that \$25,000 will be needed for proceeding with investigations relative to the wholesomeness of milk products and the relation of tuberculosis and other diseases of dairy cattle and insanitary conditions to the contamination of the milk supply.



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<b>General Expenses, Bureau of Animal Industry—Continued.</b>							
<p>\$25,000 is asked for to purchase additional land for the experiment station at Bethesda, Md. No land has been purchased for this station since the fiscal year 1903, although the work carried on there has increased so greatly that it has been necessary to rent sixty-four acres for the conduct of important investigations. The lessors can terminate the present lease by six months' notice, and thus compel the Department to abandon these various investigations. It is deemed advisable to purchase the land at this time so that the permanency of the Bureau's occupancy may be assured for such investigations as have been found necessary in its work. Fifteen thousand dollars is recommended for expenses in gathering evidence in cases to be submitted to the Department of Justice for prosecution under the "twenty-eight-hour law." The balance of the amount, namely, \$60,000, is to cover the demands for additional assistance and miscellaneous expenses created by the normal growth of the Bureau, partly along the lines of dairying and animal husbandry branches of the Bureau work which are of more recent development and have not received as much attention as have the other divisions. Some minor changes and additions have also been made in the wording of the appropriation.</p> <p>NOTE 2.—The titles of the principal items provided for above, and the approximate amount of expenditures contemplated thereunder, are as follows:</p>							
Eradication of seabies in sheep:							
Salaries.....	\$200,000						
Travel.....	120,000						
Miscellaneous.....	5,000						
	\$325,000.00						
Eradication of seabies in cattle:							
Salaries.....	100,000						
Travel.....	35,000						
Miscellaneous.....	5,000						
	140,000.00						
Inspection of southern cattle:							
Salaries.....	35,000						
Travel.....	10,000						
Miscellaneous.....	5,000						
	50,000.00						
Supervision of transportation of live stock and inspection of vessels:							
Salaries.....	29,000						
Travel.....	700						
Miscellaneous.....	300						
	30,000.00						
Execution of the 28-hour law:							
Salaries.....	8,000						
Travel.....	6,500						
Miscellaneous.....	500						
	15,000.00						
Inspection and quarantine of imported animals:							
Salaries.....	23,000						
Travel.....	4,000						
Miscellaneous.....	33,000						
	60,000.00						
Inspection work relative to existence of contagious diseases and tuberculin and mallein testing of animals:							
Salaries.....	20,000						
Travel.....	10,000						
Miscellaneous.....	5,000						
	35,000.00						
Investigations and experiments in dairy industry:							
Salaries.....	75,000						
Travel.....	21,000						
Miscellaneous.....	15,000						
	111,000.00						
Cooperative investigation of the dairy industry in the southern States:							
Salaries.....	17,000						
Travel.....	10,000						
Miscellaneous.....	1,000						
	28,000.00						
Inspection of renovated butter factories and markets:							
Salaries.....	6,000						
Travel.....	3,400						
Miscellaneous.....	600						
	10,000.00						
Investigations and experiments in animal husbandry:							
Salaries.....	28,000						
Travel.....	18,000						
Miscellaneous.....	4,000						
	50,000.00						
Scientific investigations in diseases of animals:							
Salaries.....	80,000						
Travel.....	4,000						
Miscellaneous.....	50,000						
	134,000.00						
General administration work:							
Salaries.....	25,000						
Travel.....	1,500						
Miscellaneous.....	29,260						
	55,760.00						
Total.....	1,043,760.00						

NOTE 3.—Salaries of scientific assistants, inspectors, assistant inspectors, experts, special agents, etc., carried on the lump fund named below on August 15, 1908.

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

Estimates of appropriations required for the service of the fiscal year ending June 30, 1909.		References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	Vol. or R. S.	Page.	Sec.			
		General Expenses, Bureau of Animal Industry—Continued.					
GENERAL EXPENSES, BUREAU OF ANIMAL INDUSTRY.							
In Washington—							
One animal husbandman.....	\$2,500.00						
One architect.....	1,400.00						
One assistant in Bureau of Animal Industry.....	2,000.00						
One associate chief inspection division.....	2,500.00						
One assistant animal husbandman.....	1,800.00						
One assistant chemist.....	1,800.00						
One assistant chief, dairy division.....	1,800.00						
Two assistant dairymen, at \$1,400 each.....	2,800.00						
Two assistant dairymen, at \$1,600 each.....	3,200.00						
One assistant dairyman.....	1,700.00						
One assistant dairyman.....	1,800.00						
One assistant dairyman.....	2,000.00						
One assistant in animal husbandry.....	1,200.00						
One assistant in animal husbandry.....	1,800.00						
One assistant in bacteriology.....	2,000.00						
One assistant in dairy bacteriology.....	1,200.00						
One assistant in dairy bacteriology.....	1,400.00						
One assistant microscopist.....	840.00						
One bacteriological chemist.....	1,600.00						
Two clerks, at \$720 each.....	1,440.00						
One clerk.....	840.00						
Two clerks, at \$900 each.....	1,800.00						
Two clerks, at \$1,000 each.....	2,000.00						
Three clerks, at \$1,200 each.....	3,600.00						
Two clerks, at \$1,400 each.....	2,800.00						
One cabinetmaker.....	900.00						
One cabinetmaker.....	1,080.00						
Five carpenters, at \$1 per diem each, when actually employed.....	6,260.00						
Two carpenters, at \$900 each.....	1,800.00						
Two charwomen, at \$240 each.....	480.00						
Three charwomen, at \$480 each.....	1,440.00						
One charwoman.....	540.00						
One chief, biochemic division.....	3,500.00						
One chief, dairy division.....	2,750.00						
One chief, inspection division.....	3,000.00						
One chief, pathological division.....	3,500.00						
One chief, quarantine division.....	2,750.00						
One chief, zoological division.....	2,500.00						
One clerk.....	1,300.00						
One collaborator, at \$7 per diem, when actually employed.....	49.00						
One assistant in dairy division.....	1,400.00						
One dairy inspector.....	1,700.00						
One expert in dairying.....	1,600.00						
One expert in dairy bacteriology.....	1,600.00						
One expert in dairy chemistry.....	720.00						
One expert in protozoology.....	1,200.00						
One herdbook assistant.....	1,200.00						
Three laborers, at \$720 each.....	2,160.00						
Three laborers, at \$600 each.....	1,800.00						
Three laborers, at \$480 each.....	1,440.00						
Two laborers, at \$50 per month each.....	1,200.00						
One laborer, at \$40 per month.....	480.00						
Two laborers, at \$1.50 per diem each, when actually employed.....	939.00						
Two laboratory helpers, at \$510 each.....	1,020.00						
One laboratory helper.....	600.00						
One laboratory helper.....	840.00						
One laboratory aid in horticulture.....	840.00						
One medical clerk and translator.....	1,400.00						
One messenger.....	360.00						
Two messengers, at \$480 each.....	960.00						
Two messengers, at \$720 each.....	1,440.00						
One messenger.....	840.00						
One physiologist.....	2,000.00						
One poultry assistant.....	1,400.00						
Three painters, at \$3.50 per diem each, when actually employed.....	3,286.50						
One painter.....	900.00						
Six plumbers, at \$4 per diem, when actually employed.....	7,512.00						
One plumber's assistant, at \$2.50 per diem, when actually employed.....	782.50						
One plumber's helper, at \$2 per diem, when actually employed.....	626.00						
One scientific assistant in animal bacteriology.....	1,200.00						
One scientific assistant in animal bacteriology.....	1,600.00						
Two scientific assistants in dairying, at \$1,400 each.....	2,800.00						
Six scientific assistants in animal husbandry, at \$1,200 each.....	7,200.00						
Two scientific assistants in library science, at \$1,000 each.....	2,000.00						
One scientific assistant in veterinary zoology.....	840.00						
One scientific assistant in veterinary zoology.....	1,200.00						
One scientific assistant in animal pathology.....	1,800.00						
One scientific assistant in zoology.....	1,200.00						
One scientific assistant in zoology.....	1,800.00						
One veterinary inspector.....	1,600.00						
One veterinary inspector.....	1,800.00						
Total.....	147,015.00						
Out of Washington—							
Three veterinary inspectors, at \$1,200 each.....	3,600.00						
Sixty-four veterinary inspectors, at \$1,400 each.....	89,600.00						
Twenty-one veterinary inspectors, at \$1,600 each.....	33,600.00						
Thirty-two veterinary inspectors, at \$1,800 each.....	57,600.00						
Five veterinary inspectors, at \$2,000 each.....	10,000.00						



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>General Expenses, Bureau of Animal Industry—Continued.</i>							
<i>Out of Washington—Continued.</i>							
One veterinary inspector.....					\$1,500.00		
Two veterinary inspectors, at \$5 per diem, when actually employed.....					1,135.00		
One veterinary inspector, at \$3 per diem, when actually employed.....					204.00		
One veterinary inspector (at Calais), at \$5 per diem (elsewhere), at \$8 per diem, when actually employed.....					838.00		
Two clerks, at \$1,200 each.....					2,400.00		
Two clerks, at \$1,000 each.....					2,000.00		
One clerk.....					960.00		
Two clerks, at \$900 each.....					1,800.00		
Four clerks, at \$840 each.....					3,360.00		
Six field stock examiners, at \$1,000 each.....					6,000.00		
Three field stock examiners, at \$1,200 each.....					3,600.00		
Eight stock examiners, at \$900 each.....					7,200.00		
Nine stock examiners, at \$1,000 each.....					9,000.00		
Nine stock examiners, at \$1,200 each.....					10,800.00		
Five inspectors' assistants, at \$810 each.....					4,200.00		
Two inspectors' assistants, at \$1,000 each.....					2,000.00		
One skilled laborer.....					720.00		
One skilled laborer.....					900.00		
Forty-nine agents in scabies eradication, at \$720 each.....					35,280.00		
Eleven agents in scabies eradication, at \$810 each.....					9,240.00		
Fifty-one agents in scabies eradication, at \$1,000 each.....					51,000.00		
Three agents in scabies eradication, at \$1,200 each.....					3,600.00		
One agent in scabies eradication.....					900.00		
Ten agents in scabies eradication, at \$960 each.....					9,600.00		
Seven agents in scabies eradication, at \$1,000 each.....					7,000.00		
One agent and expert in charge of eradication of scabies in cattle and sheep.....					1,800.00		
One laborer, at \$2 per diem, when actually employed.....					626.00		
Two laborers, at \$40 per month each.....					960.00		
Two laborers, at \$15 per month each.....					1,080.00		
Two laborers, at \$50 per month each.....					1,200.00		
One laborer.....					720.00		
Seventeen laborers, at \$480 each.....					8,160.00		
One laborer.....					540.00		
One laborer.....					600.00		
One laborer.....					660.00		
One laborer.....					1,440.00		
Two laborers, at \$720 each.....					3,360.00		
Four laborers, at \$840 each.....					900.00		
One agent.....					1,400.00		
One assistant at experiment station.....					2,504.00		
Two carpenters, at \$1 per diem, when actually employed.....					2,000.00		
One dairy inspector.....					1,800.00		
One dairy inspector.....					2,000.00		
One expert assistant.....					1,400.00		
One field assistant.....					1,800.00		
One inspector.....					2,000.00		
One livestock inspector.....					1,400.00		
One livestock inspector.....					2,400.00		
Two livestock inspectors, at \$1,200 each.....					840.00		
One messenger.....					3,000.00		
One superintendent of experiment station.....					900.00		
One superintendent of quarantine station.....					1,200.00		
One special agent.....					1,000.00		
One special agent in field work.....					1,440.00		
Two watchmen, at \$60 per month each.....					1.00		
One collaborator, at \$1 per annum.....					200.00		
One expert in contagious diseases of sheep.....					1,400.00		
One livestock inspector.....					1,000.00		
One expert in anthrax.....					1,200.00		
One expert in milk hygiene.....					2,800.00		
Two assistant dairymen.....					1,500.00		
One assistant dairymen, at \$1,600 each.....					6,400.00		
Four assistant dairymen, at \$1,800 each.....					7,200.00		
One expert in dairying, at \$75 per month.....					900.00		
Six experts in dairying, at \$720 each.....					4,320.00		
Two experts in dairying, at \$10 per diem each, when actually employed.....					100.00		
One expert in dairying.....					1,600.00		
One expert in dairying.....					1,200.00		
One expert in dairying, at \$5 per diem, when actually employed.....					100.00		
One expert in dairy bacteriology.....					720.00		
One expert in dairy bacteriology.....					900.00		
One expert in dairy chemistry.....					720.00		
One expert in dairy chemistry.....					840.00		
One assistant dairy agent, at \$5 per diem, when actually employed.....					100.00		
Four agents in dairying, at \$900 each.....					3,600.00		
One agent in dairying.....					840.00		
One agent in dairying.....					1,200.00		
One scientific assistant in animal chemistry.....					1,000.00		
Two experts in cream inspection, at \$1,600 each.....					3,200.00		
One expert in cream methods.....					1,400.00		
One expert cheese maker.....					1,200.00		
Two clerical collaborators, at \$300 each.....					600.00		
One clerical collaborator, at \$12 per month.....					144.00		
One collaborator in butter investigations.....					300.00		
One skilled laborer.....					840.00		
One expert in animal diseases, at \$6 per diem, when actually employed.....					300.00		
Total.....					466,592.00		

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<p><b>Cooperative Experiments in Animal Feeding and Breeding—</b>            For experiments in animal feeding and breeding, in cooperation with the State agricultural experiment stations, [including the] and for repairs and additions to and erection of buildings absolutely necessary to carry on the experiments, including rent and the employment of labor in the city of Washington and elsewhere, and all other necessary expenses, fifty thousand dollars [in all, nine hundred and ninety-seven thousand two hundred dollars].</p> <p>NOTE 1.—The amount of above appropriation is the same for the present fiscal year. Several minor changes in the wording have been made for the purpose of having the appropriation more fully cover the expenses necessary to be incurred.</p> <p>NOTE 2.—The titles of the principal items provided for above, and the approximate amounts of expenditure contemplated thereunder, are as follows:</p> <p>Salaries..... \$14,100            Travel..... 2,300            Miscellaneous..... 33,600            Total..... 50,000</p> <p>NOTE 3.—Salaries of experts, scientific assistants, laborers, etc., carried on the lump fund named below on August 15, 1908.</p> <p align="center">ANIMAL FEEDING AND BREEDING.</p> <p><i>Out of Washington—</i>            One carpenter..... \$1,200            One carpenter..... 840            Nine carpenters, at \$720 each..... 6,480            Two carpenters, at \$660 each..... 1,320            Two collaborators, at \$100 each..... 200            One expert groom..... 1,200            One expert in animal husbandry..... 300            One expert in animal husbandry..... 400            One expert in animal husbandry..... 500            One expert in animal husbandry..... 750            Two experts in animal husbandry, at \$1,000 each..... 2,000            One expert in poultry breeding..... 600            One superintendent of Morgan horse farm..... 1,000            One expert supervisor of Morgan horse farm..... 300            Five laborers, at \$540 each..... 2,700            Fourteen laborers, at \$480 each..... 6,720            One laborer..... 300            One laborer..... 180            Four masons, at \$960 each..... 3,840            Two members of board to purchase horses, at \$10 per diem each, when actually employed..... 600            Two painters, at \$540 each..... 1,080            One painter..... 800            One scientific assistant in animal husbandry..... 1,000            One scientific assistant in animal husbandry..... 1,080            One steam driller..... 900            Three teamsters, at \$1,300 each..... 3,900            One expert in animal nutrition..... 1,000            One assistant expert in animal nutrition..... 1,000            One assistant expert in animal nutrition..... 840            One assistant expert in animal nutrition..... 500            Total..... 43,530</p>	May 23, 1908	35	255	1		\$50,000. 00	\$50,000. 00
<p><b>Eradicating Cattle Ticks—</b>            [For Bureau of Animal Industry:]            To enable the Secretary of Agriculture to continue work in cooperation with State authorities in eradicating the ticks transmitting southern cattle fever, including rent and the employment of labor in the city of Washington and elsewhere, and all other necessary expenses, [two hundred and fifty thousand] three hundred thousand dollars [of which sum twenty-five thousand dollars shall be immediately available].</p> <p>NOTE 1.—An increase of \$50,000 is submitted. This work is carried on in cooperation with State authorities, and during the past year the ticks have been eradicated from a considerable territory. As the States concerned appreciate the importance of the work and are appropriating additional funds for its prosecution, it is necessary that the Federal appropriations be enlarged to cooperate properly with the State authorities. An increase of \$50,000 will enable the Department to meet the increased cooperation offered by the States during the coming year. Several minor changes have also been made in the wording of the appropriation. This appropriation was formerly carried as an "Emergency Appropriation" at the end of the bill, but its inclusion in this bureau, to which it pertains, is suggested for the purpose of simplifying the bookkeeping, as the work should be continued for several years.</p> <p>NOTE 2.—The titles of the principal items provided for above, and the approximate amounts of expenditure contemplated thereunder, are as follows:</p> <p>Salaries..... \$225,000            Travel..... 60,000            Miscellaneous..... 15,000            Total..... 300,000</p> <p>NOTE 3.—Salaries of inspectors, agents, experts, clerks, etc., carried on lump fund named below on August 15, 1908.</p>	May 23, 1908	35	268	1		300,000. 00	250,000. 00





<u>No.</u>	<u>Name</u>	<u>Salary</u>	<u>Where Employed</u>	<u>Nature of Work</u>
26	J.C. Gordon	\$540	Arlington Farm	Cares for lawns; cultivates farm crops; lays tile drains; etc.
	Tibbett Allen	\$540	" "	" " " " " " " "
	Isaac Clinkett	\$540	" "	Acts as watchman and general utility man.
	Mary M. Gilbert	\$540	Seed & Plant Introduction	Puts up and mails small seed orders.
27	C.D. Skippon	\$480	Drug Plant Investigations	General clerical and messenger work.
	K.H. Townsend	\$480	Office of Cerealists	General Messenger Work.
	H.Q. Mann	\$480	Office of Chief of Bureau	" " "
	E. Thompson	\$480	Seed & Plant Introduction	" " "
	C.E. Brodie	\$480	Western Agri. Extension	" " "
	L.M. Lynch	\$480	Bureau Library	" " "
	F.C. Frost	\$480	Seed & Plant Introduction	" " "
	J.W. Ethridge	\$480	Cotton & Tobacco Invest'ns	" " "
	W.O. Miller	\$480	Office of Records	" " "
	J.B. Langford	\$480	Fld. Invest'ns in Pomology	" " "
	G.A. Degenhardt	\$480	Vegetable Testing Garden	" " "
	A.F. Lingle	\$480	Farmers' Coop. Dem. Work	" " "
	O.E. Turner	\$480	Farm Management	" " "
	E.O. Dickerson	\$480	Property Room	Delivers supplies; acts as general assistant.
28	H.T. Whitlock	\$360	Office of Assistant Chief	General Messenger Work.
	A.W. Mehlfelt	\$360	Seed & Plant Introduction	" " "
	R.N. Davis	\$360	Dry-Land Agriculture	" " "
	L.H. Lynch	\$360	Grain Standardization	" " "
29	G.R. Clayton	\$300	Seed Laboratory	" " "
	J.B. Sanders	\$300	Seed & Plant Introduction	" " "
	R.O.D. Murphy	\$300	" " " "	" " "





No.	Name	Salary	Where Employed	Nature of Work
	W.A. Wulfert	\$840	Office of Assistant Chief	Stenography and typewriting.
	P.B. Gussoff	\$840	" " Horticulturist	" " "
15	Ivy V. Hurdle	\$600	Seed & Plant Introduction	Typewriting; keeps photographic files; assists photographer.
16	Ella Welborn	\$720	Office of Mechanical Eng.	Stenography and typewriting; filing, etc.
	H.F. Chandler	\$720	Seed & Plant Introduction	In charge of correspondence files.
	Eva M. Peacock	\$720	Grain Investigations	Stenography and typewriting.
	M.A. Downes	\$720	Plant Life History Inv's	Typewriting; photography; clerical work.
	Elara K. Bragdon	\$720	Vegetable Testing Garden	Typewriting and indexing
	R. Millett	\$720	Seed & Plant Introduction	Typewriting in connection with seed tests & records of distribution.
	Rosa A. Harvey	\$720	Seed Laboratory	Testing seeds for mechanical purity.
	E.M. Mahleman	\$720	Office of Chief of Bureau	Counts seed franks in winter; general clerical work rest of year.
	Nabel G. Thomson	\$720	Seed & Plant Introduction	Stenography and typewriting.
	F.P. Hardenstein	\$720	Farmers' Coop. Dem. Work	Clerical work.
	C.O. Lathue	\$720	Seed & Plant Introduction	Stenograph, and typewriting; clerical work.
	Pearle K. Smith	\$720	Lab't'y of Plant Pathology	Stenography and typewriting.
	Grace D. Parker	\$720	Seed & Plant Introduction	Filing and indexing correspondence.
17	P.J. Veilmeyer	\$660	Pathological Collections	Typewriting; indexing; general herbarium work.
	M.C. Staves	\$660	Crop Technology	Stenography and typewriting; clerical work.
	D.C. Boree	\$660	Seed & Plant Introduction	Filing and indexing correspondence.
	Sarah Waters	\$660	Pomological Collections	Stenography and typewriting.
	Clara C. Lund	\$660	Drug Plant Investigations	" " "
	G.O. Minor	\$660	Arlington Farm	Teamster; driving, plowing, harrowing, etc.
	G.W. Cutshall	\$660	Gardens & Grounds	Sweep and clean walks; general labor in care of grounds.
	G.E. Cushman	\$660	Seed & Plant Introduction	Putting up and mailing seed in warehouse; general labor.
18	E.E. Barber	\$600	Farm Management	Opens and records mail; copies letters; general clerical work.
	E.M. Coleman	\$600	Seed & Plant Introduction	General clerical work; sends out seed in small lots.
	Anna M. Allen	\$600	" " " " (Crops	Filing and indexing correspondence.
	Abbie Owen	\$600	Diseases of Cotton & Truck	Stenography and typewriting.
	Mary S. Delin	\$600	Seed Laboratory	Separating dodder from clover and alfalfa seed, etc.
	C.D. Franklin	\$600	Arlington Farm	Teamster
	E.M. Ports	\$600	Dept. Greenhouses	Assists carpenters
	Frank Lee	\$600	Office of Chief of Bureau	Cleans offices in morning; general utility man rest of day.
	Harriet Colne	\$600	Seed & Plant Introduction	Stenography and typewriting; clerical work.
	J.J. Hammarley	\$600	" " " "	General labor in seed warehouse; putting up and mailing seed, etc.
	W.S. Hull	\$600	Arlington Farm	In charge of laborers in nursery on Arlington Farm.
	A.H. Disney	\$600	Office of Chief of Bureau	Acts as Watchman.
	Mattie L. Massie	\$600	Farmers' Coop. Dem. Work	Typewriting.
	J.A. Taylor	\$600	Western Agri. Extension	Clerical work.
	J.F. Pierce	\$600	Taxonomic Investigations	Messenger and clerical work.
	J.M. Winkler	\$600	Physical Laboratory	Messenger work; acts as general utility man.
19	R.B. Walter	\$600	Office of Chief of Bureau	General Carpenter Work.
20	W.A. Smith	\$640	" " " " "	" " "
21	G.N. Maxwell	\$900	Property Room	Receives supplies; files receipts; takes inventories; etc.
22	J.M. Hammarly	\$840	Corn Investigations	Caring for specimens and other skilled labor.
23	W.S. Orton	\$840	Office of Chief of Bureau	Painting.
24	J. K. Koeer, Jr.	\$840	" " " " "	Planting
	C.J. Schubert	\$840	" " " " "	"
25	J.W. Kelly	\$720	Drug Plant Investigations	Cultivating and curing experimental lots of drug plants.
	W.E. Willis	\$720	Arlington Farm	Takes care of stock on farm.
	Sadie Duffy	\$720	Office of Chief of Bureau	Counts seed franks in winter; general clerical work rest of year.
	W.H. Schultheis	\$720	Gardens and Grounds	Drives carts and wagons; in charge of Bureau stable.
	R.A. Bryant	\$720	" " "	General Gardening.
	Mary J. Smith	\$720	Seed & Plant Introduction	Putting up and mailing seed orders.
	C.T. Frazier	\$720	" " " "	" " " " "
	J. E. Page	\$720	Office of Assistant Chief	Acts as messenger and general utilityman.
	Patrick Scanlon	\$720	Office of Chief of Bureau	Acts as Watchman.









No.	Name	Salary	Where Employed	Nature of Work
	Wm. Collier	\$1200	Office of Records	Filing and indexing correspondence; assists bookkeeper.
	Elva E. Hicks	\$1200	Drug Plant Investigations	Stenography and typewriting; charge of filing and indexing.
	E.E. McDonell	\$1200	Farm Management	Stenography and typewriting; translating.
	L.H. Romig	\$1200	Grain Standardization	Stenography and typewriting; general clerical work.
	F.A. Hugins	\$1200	Fld. Inv'ns in Pomology	Stenography and typewriting; records experimental vineyards.
	Kate F. Gary	\$1200	Seed Laboratory	Stenography and typewriting; charge of routine office work.
	Jennie L. Coit	\$1200	Dry-Land Agri. Inv'ns	Stenography and typewriting; does practically all routine work.
	Ella M. Austin	\$1200	Lab't'y of Plant Pathology	Stenography and typewriting; translating.
	H.L. McQuinn	\$1200	Plant Life History Inv'ns	Stenography and typewriting.
	Edith F. Gordon	\$1200	Office of Chief of Bureau	Stenography and typewriting.
	Louis E. Stein	\$1200	Inv'ns of Diseases of Fruits	" " " In charge of routine office work.
	M.L. Sweet	\$1200	Property Room of Bureau	Makes requisitions for supplies; general clerical work.
10	R.J. Whittleton	\$1200	Seed & Plant Introduction	Keeps a record of tobacco seed sent out.
11	H.E. Estler	\$1000	Office of Chief of Bureau	Keeps the books in connection with Congressional Seed Distribution in winter; general clerical work in summer.
12	C.D. Ashmore	\$1000	Seed & Plant Introduction	Files correspondence.
	Rachael M. Kolck	\$1000	Office of Cerealists	Stenography and typewriting.
	G.M. Johnston	\$1000	Fiber Investigations	" " "
	Alice M. Sawyer	\$1000	Office of Horticulturist	Typewriting; general clerical work.
	Alice C. Atwood	\$1000	Library	Cataloging botanical literature.
	Agnes T. Hudson	\$1000	Miami, Florida	Stenography & typewriting at sub-tropical garden and laboratory.
	M.G. Bagley	\$1000	Farm Management	Cares for photographic files; general clerical work.
	Nora H. Phelps	\$1000	Office of Chief of Bureau	Acts as Bureau time clerk.
	Laura MacMorris	\$1000	Seed & Plant Introduction	Prepares requests for requisitions; letters of authorization, etc.
	C.L. Escavaille	\$1000	Property Room of Bureau	Receives supplies; general office work.
	Mary A. Baxter	\$1000	Office of Records	Stenography and typewriting; general clerical work.
	Edna D. Howell	\$1000	Sugar Beet Investigations	" " " " " "
	Carrie Zell	\$1000	Office of Chief of Bureau	Indexes letter books; assists in preparing pay-rolls, etc.
	C.W. Adams	\$1000	Alkali & Drought Invest'ns	Stenography and typewriting; general office work.
	F.E. Bechtold	\$1000	Fld. Inv'ns in Pomology	" " "
	H.K. Corrick	\$1000	Pomological Collections	Journal Clerk in fruit receipts and identification.
	G.W. Morrison	\$1000	Grain Standardization	Stenography and typewriting; general clerical work.
	L.B. Zapoleon	\$1000	Farm Management	" " "
	Frances T. Field	\$1000	" "	" " "
13	M.V. Dowdney	\$900	Office of Chief of Bureau	In charge of counting seed franks in winter; general clerical work.
	Edmund Burke	\$900	Seed & Plant Introduction	Keeps record of Congressional seed franks; general clerical work.
	Alice R. Martin	\$900	Seed Laboratory	Stenography and typewriting; clerical work.
	J.D. Holland	\$900	Corn Investigations	" " " " "
	M.M. Schneider	\$900	Seed Laboratory	" " "
	E.D. Atkinson	\$900	Seed & Plant Introduction	" " "
	Matilda Ross	\$900	Office of Records	Clerical work.
	M.R. Daniels	\$900	Office of Appointment Clk.	Detailed to Appointment Clerk for general clerical work.
	L.B. Rose	\$900	Bionomic Investigations	Stenography and typewriting.
	Elsie Vansant	\$900	Farmers' Coop. Dem. Work	" " "
	E.M. Snyder	\$900	" " " "	" " "
	Mary A. Austin	\$900	Seed & Plant Introduction	Sends samples of introduced seeds to laboratory for tests; keeps records of same; prepares inventory, etc.
	E.D. Carmack	\$900	Farm Management	Stenography and typewriting
	F.O. Wallachlaeger	\$900	" "	" " "
	W.R. Humphries	\$900	" "	" " "
	Artridge Belt	\$900	" "	Draws plans of farm buildings, etc.; stenography & typewriting.
14	E.C. Alexander	\$840	Office of Agrostologist	Stenography and typewriting.
	Bessie C. Bell	\$840	" " "	" " "
	T.B. Stothart	\$840	Seed & Plant Introduction	" " "
	Grace Graham	\$840	Dry-Land Agri. Invest'ns	General clerical and bibliographical work.
	Ella Lewis	\$840	Office of Records	Clerical work.
	Bernard Connor	\$840	Office of Agrostologist	Stenography and typewriting.
	C.L. Hall	\$840	Pomological Collections	Filing correspondence.
	Clara H. Tyler	\$840	Farm Management	Filing correspondence and typewriting.
	W.L. Palmer	\$840	Cotton & Tobacco Invest'ns	Stenography and typewriting.
	E.I. Weaver	\$840	Seed & Plant Introduction	" " "
	H.P. McDowell	\$840	" " " "	" " "
	Lucy Smith	\$840	Office of the Editor	Proofreading and general editorial work.
	Clara E. Ballard	\$840	Fld. Inv'ns in Pomology	Stenography and typewriting.
	Emmalyn L. Sliter	\$840	Office of Records	" " "





STATEMENT SHOWING NATURE OF WORK OF OFFICERS AND EMPLOYEES ON THE STATUTORY ROLL, BUREAU OF PLANT INDUSTRY

<u>No.</u>	<u>Name</u>	<u>Salary</u>	<u>Where Employed</u>	<u>Nature of Work</u>
1	B.T. Galloway	\$5000	Office of Chief of Bureau	Administrative, executive & scientific; Chairman Com. on Bldgs.
2	J.E. Jones	\$2250	" " " " "	Prepares correspondence respecting changes in personnel; in charge of pay-rolls & leave of absence; Sec. Efficiency Board.
3	L.M. Estabrook	\$2000	Office of Records	In charge of accounting and other financial operations.
4		\$1980 \$1980 \$1980	New places intended for O.F. Jones, W.W. Long, and Mrs. H.E. Fealy; O.F. Jones to be transferred from seed roll, and places now held by Mr. Long and Mrs. Fealy to be filled by promotion.	
5	W.W. Long	\$1600	Office of Assistant Chief	General Executive Assistant. Advises scientific workers regarding fiscal matters.
	Nellie E. Fealy	\$1800	" " " "	General Correspondence Clerk in Office of Assistant Chief.
	E.H. Bradley	\$1600	" " " "	Stenography and typewriting.
	W.E. Taylor	\$1800	" " Chief	Prepares pay-rolls; makes records of appointments; stenography and typewriting.
6	W.L. Marcy	\$1600	" " "	Assists in allotting funds; makes special compilations & reports.
	W.F. Callander	\$1600	" " "	Stenography and typewriting; collects and prepares data.
	W.P. Gechenour	\$1600	" " Records	Audits traveling reimbursement accounts.
	H.A. Penner	\$1600	Drug Plant Investigations	Stenography and typewriting; clerical work.
	S.M. Huddleson	\$1600	Pomological Collections	" " " " In charge of clerical work of office.
	Belle C. Saunders	\$1600	Office of Records	Audits supply accounts; indexes requisitions & informal bids.
	J.C. Wight	\$1600	" " Chief of Bureau	Draws orders and forwards addressed franks to seed contractor.
	J.A. Ferrall	\$1600	Plant Life History Inv'ns	Stenography and typewriting. In charge of routine office work.
7	O.F. Sillig	\$1500	" " " "	Makes translations; handles correspondence in foreign languages.
8	W.P. Cox	\$1400	Office of Records	Audits transportation reimbursement & miscellaneous accounts.
	A.H.B. Kinney	\$1400	" " Cerealists	Stenography & typewriting; in charge of correspondence & files.
	W.A. Ball	\$1400	Farm Management	Preparation of vouchers for field men; general clerical work; stenography and typewriting.
	R.S. Albee	\$1400	Office of Records	Keeps books in Office of Records; prepares all financial statements; supervises clerical force engaged on such work.
	F.E. Meloy	\$1400	Property Room of Bureau	In charge of Bureau property.
	G.S. Meloy	\$1400	Biologic Investigations	Stenography & typewriting; in charge of routine office work.
	C.W. Reed	\$1400	Seed & Plant Introduction	Stenography & typewriting; assists in transportation matters; in charge of property of Seed & Plant Introduction.
	Jessie A. Murphy	\$1400	Office of Exp't Propagator	Keeps records of experiments; assists in hybridization of plants.
	L.H. Davenport	\$1400	Cotton & Tobacco Invest'ns	In charge of office work.
	M.M. McClure	\$1400	Taxonomic Investigations	Stenography & typewriting; does the routine office work.
	E.R. Oberly	\$1400	Bureau Library	In charge of Bureau Library.
	K.W. Lane	\$1400	Cotton & Tobacco Invest'ns	Stenography and typewriting.
	A.C. Carton	\$1400	Seed Section	Receives Congressional seed orders; supervises mailing of seed.
9	R.P. Caruthers	\$1200	Office of Horticulturist	Stenography & typewriting.
	A.C. Shepherd	\$1200	Fld. Inv'ns in Pomology	In charge of routine office work; stenography & typewriting.
	C.V. Grant	\$1200	Drug Plant Investigations	" " " " " " " " " "
	Nellie V. Price	\$1200	Farm Management	Stenography and typewriting.
	Pearl Woolverton	\$1200	Soil Bacteriology Invest'ns	" " " "
	Grace Bell	\$1200	Foreign Seed & Plant Int.	In charge of routine office work; stenography and typewriting.
	M.F. Warner	\$1200	Taxonomic Investigations	Cataloging, indexing, general library work.
	E.I. Schutt	\$1200	Pomological Collections	Makes water color paintings of fruits.
	A.A. Newton	\$1200	" " "	Makes models and water color paintings of fruits.
	R.V. Bailey	\$1200	Western Agri. Extension	Stenography and typewriting; in charge of routine office work.
	T.C. Taylor	\$1200	Forest Pathology	" " " "
	Jessie M. Allen	\$1200	Bureau Library	Cataloging, indexing, general library work.
	Lillian Church	\$1200	Farm Management	Stenography and typewriting.
	F.S. Moise	\$1200	Office of Chief of Bureau	In charge of Bureau files and of copying and mailing correspondence of the Assistant Chief of the Bureau.
	J.P. Graham	\$1200	Office of the Editor	Stenography and typewriting; proofreading; clerical work.
	Sallie M. Parker	\$1200	Pomological Collections	Filing and indexing correspondence.
	Lydia J. Smith	\$1200	Office of Assistant Chief	Typewriting and translating.
	Emma C. Herrick	\$1200	Fld. Inv'ns in Pomology	Filing correspondence.
	A.H. Williams	\$1200	Office of Chief of Bureau	Receives and distributes incoming mail; indexes letter books.





## Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>Eradicating Cattle Ticks—Continued.</i>							
ERADICATING CATTLE TICKS.							
<i>Out of Washington—</i>							
Forty veterinary inspectors, at \$1,400 each.....					\$56,000.00		
Eight veterinary inspectors, at \$1,600 each.....					12,800.00		
Fourteen veterinary inspectors, at \$1,800 each.....					25,200.00		
Five veterinary inspectors, at \$2,000 each.....					10,000.00		
One veterinary inspector.....					2,250.00		
Three clerks, at \$900 each.....					2,700.00		
Two clerks, at \$840 each.....					1,680.00		
Six agents in tick eradication, at \$720.....					4,320.00		
Twenty-nine agents in tick eradication, at \$840 each.					24,360.00		
Nine agents in tick eradication, at \$960 each.....					8,640.00		
Nine agents in tick eradication, at \$1,000 each.....					9,000.00		
One agent in tick eradication.....					1,200.00		
One agent in tick eradication.....					1,500.00		
Three agents in tick eradication, at \$5 per diem each, when actually employed.....					4,695.00		
One agent in tick eradication, at \$6 per diem, when actually employed.....					1,878.00		
One agent in tick eradication, at \$1.75 per diem, when actually employed.....					1,486.75		
One agent in tick eradication, at \$100 per month, (3 months).....					300.00		
One agent in tick eradication.....					900.00		
One live stock inspector.....					1,400.00		
One expert in tick eradication, \$1 per annum.....					1.00		
One expert in tick eradication, at \$6.67 per diem, when actually employed.....					1,365.13		
One agent in tick eradication, at \$1 per month.....					12.00		
Total.....					171,687.88		
NOTE 4.—Statement of salaries under the permanent appropriation for meat inspection will be transmitted to Congress in a separate communication.							
Total for Bureau of Animal Industry, including statutory salaries.....						\$1,508,860.00	\$1,330,860.00
BUREAU OF PLANT INDUSTRY.							
<i>Salaries, Bureau of Plant Industry—</i>							
1 One plant physiologist and pathologist, who shall be chief of Bureau.....	Apr. 23, 1904 May 23, 1908	33 35	281 255-6	1 1	\$5,000.00		
2 One chief clerk.....	Same acts.....				2,250.00		
NOTE.—One editor, at \$2,000, and one superintendent of gardens and grounds, at \$1,800, transferred to lump fund for general expenses.							
3 One officer in charge of records.....	do.....				2,000.00		
4 Three executive clerks, at \$1,980 each (one by transfer from lump fund for seeds, making increase of two).....	Submitted.....				5,940.00		
5 Four clerks, class four.....	Apr. 23, 1904 May 23, 1908	33 35	281 255-6	1 1	7,200.00		
6 Eight clerks, class three.....	Same acts.....				12,800.00		
7 One clerk (by transfer from lump fund for general expenses).....	do.....				1,500.00		
8 Thirteen clerks, class two.....	do.....				18,200.00		
9 Thirty-one clerks, class one (increase of two submitted, one in lieu of one clerk or artist, at \$1,200, dropped, and one by transfer from lump fund for seeds).....	do.....				37,200.00		
10 One seed clerk and superintendent.....	do.....				1,200.00		
NOTE.—One clerk or artist, at \$1,200, dropped (included in clerks of class one), and one clerk or artist, at \$840, dropped (included in clerks, at \$840).							
11 One clerk.....	do.....				1,080.00		
12 Nineteen clerks, at \$1,000 each (increase of three by transfer from lump fund for general expenses).....	do.....				19,000.00		
13 Sixteen clerks, at \$900 each (increase of ten submitted, two in lieu of one photographer or clerk, at \$900, and one illustrator or clerk, at \$900, dropped, and eight by transfer from the lump fund for general expenses).....	do.....				14,400.00		

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

Estimates of appropriations required for the service of the judicial system		References to Stats. at Large, or to Revised Statutes.			Estimated amt't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	Vol. or R. S.	Page.	Sec.			
		Salaries, Bureau of Plant Industry—Continued.					
14 Sixteen clerks, at \$840 each (increase of four submitted, three in lieu of one clerk or artist, at \$840, and two clerks or messengers, at \$840 each, dropped, and one by transfer from lump fund for general expenses) ---	Apr. 23, 1904 May 23, 1908	33 35	281 255-6	1 1	\$13,440.00		
	Same acts					800.00	
15 One clerk-----						9,360.00	
16 Thirteen clerks, at \$720 each (increase of one by transfer from lump fund for general expenses)-----	do					5,280.00	
17 Eight clerks, messengers, or laborers, at \$660 each (in lieu of four clerks at \$660 each, three skilled laborers at \$660 each, and one messenger at \$660, dropped)-----	do					9,600.00	
18 Sixteen clerks, messengers, or laborers, at \$600 each (in lieu of four clerks, eight skilled laborers, and three messengers, at \$600 each, dropped, and one by transfer from lump fund for seeds)-----	do						
NOTE.—Four clerks, at \$660 each, dropped (included in clerks, messengers, or laborers at \$660); four clerks, at \$600 each, dropped (included in clerks, messengers, or laborers at \$600); one photographer or clerk, at \$900, dropped (included in clerks at \$900); one illustrator or clerk, at \$900, dropped (included in clerks at \$900); and one assistant photographer, at \$600, transferred to lump fund for general expenses.							
19 One carpenter-----	do					900.00	
20 One carpenter-----	do					840.00	
NOTE.—The following places are transferred to the lump fund for general expenses: Two gardeners or assistants, at \$1,000 each..... \$2,000 Six gardeners, at \$900 each..... 5,400 Two gardeners, at \$840 each..... 1,680 Four gardeners, at \$780 each..... 3,120 Five gardeners, at \$720 each..... 3,600 Three gardeners, at \$660 each..... 1,980 One gardener..... 600							
21 One skilled laborer-----	do					900.00	
22 One skilled laborer (by transfer from the lump fund for general expenses)-----	do					840.00	
23 One painter-----	do					840.00	
24 Two plumbers, at \$840 each-----	do					1,680.00	
NOTE.—Two clerks or messengers, at \$840, dropped (included in clerks at \$840).							
25 Nine skilled laborers, at \$720 each-----	do					6,480.00	
NOTE.—Three skilled laborers, at \$660 each, dropped (included in clerks, messengers, or laborers, at \$660); also eight skilled laborers, at \$600 each (included in clerks, messengers, or laborers, at \$600).							
26 Four skilled laborers, at \$540 each (increase of one by transfer from lump fund for seeds)-----	do					2,160.00	
NOTE.—One messenger, at \$660, dropped (included in clerks, messengers, or laborers, at \$660); also three messengers, at \$600 each (included in clerks, messengers, or laborers, at \$600); and ten skilled laborers or messengers, at \$480 each (included in skilled laborers, messengers, or messenger boys, at \$480).							
27 Fourteen skilled laborers, messengers, or messenger boys, at \$480 each (ten in lieu of ten skilled laborers or messengers, at \$480 each, dropped, and four by transfer from lump fund for general expenses)-----	Apr. 23, 1904 May 23, 1908	33 35	281 255-6	1 1	6,720.00		
28 Four messenger boys, at \$360 each (increase of two by transfer from lump fund for general expenses)-----	Same acts					1,440.00	
29 Three messenger boys, at \$300 each (increase of one by transfer from lump fund for general expenses)-----	do					900.00	
NOTE.—Two executive clerks, at \$1,980 each, have been added, amounting to \$3,960; also one executive clerk, at \$1,980; one clerk, at \$1,500; one clerk, at \$1,200; three clerks, at \$1,000 each; eight							
						\$189,950.00	\$187,410.00



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<p><b>Salaries, Bureau of Plant Industry—Continued.</b></p> <p>clerks, at \$900 each; one clerk, at \$840; one clerk, \$720; one clerk, messenger, or laborer, at \$600; one skilled laborer, at \$840; one skilled laborer, at \$540; four skilled laborers, messengers, or messenger boys, at \$480 each; two messenger boys, at \$360 each, and one messenger boy, at \$300, by transfer from lump funds, amounting to \$21,360, total increase, \$25,320. One editor, at \$2,000; one superintendent of gardens and grounds, at \$1,800; one assistant photographer, at \$600; two gardeners or assistants, at \$1,000 each; six gardeners, at \$900 each; two gardeners, at \$840 each; four gardeners, at \$780 each; five gardeners, at \$720 each; three gardeners, at \$660 each, and one gardener, at \$600, have also been transferred to the lump fund for general expenses, decrease \$22,780, making an apparent increase in the statutory roll of \$2,540, but not considering the places transferred to and from the lump funds, the actual increase is \$3,960. In addition there have also been thirty-nine changes in designations without changes in salaries.</p>							
<p><b>General Expenses, Bureau of Plant Industry—</b></p> <p>To investigate fruits, fruit trees, grain, cotton, tobacco, vegetables, grasses, forage, drug, medicinal, poisonous, fiber, and other plants and plant industries, in cooperation with other branches of the Department, the State experiment stations, and practical farmers; to continue the study and demonstration of the best methods of meeting the ravages of the cotton boll weevil; to study plant and orchard diseases and demonstrate the treatment of same; to study plant physiology in relation to crop production; to originate and improve crops by breeding and selection; to investigate and encourage the adoption of improved methods of farm management and farm practice; to investigate the feeding value of farm crops and the use of fertilizers; to investigate the causes of decay in forest timber and timber used for construction purposes, and to devise means for preventing the decay of the same; to investigate the practical application in agriculture of the fixation of atmospheric nitrogen by bacteria and other micro-organisms in soils and in the root tubercules of leguminous and other plants, and to cultivate and distribute these nitrogen fixers; to study and find methods for preventing algal and other contaminations of farm water supplies; to carry on special investigations of the conditions of grain production, handling, grading, and transit, and of the means of improving the same; to model fruits, vegetables, and other plants, and furnish duplicate models to the experiment stations of the several States, as far as found practicable; to investigate the methods of harvesting, packing, storing, and shipping fruits and vegetables, and for experimental shipments of fruits and vegetables within the United States and to foreign countries; to cultivate and care for experimental gardens and grounds, manage and maintain conservatories, green-houses, and plant and fruit propagating houses; [to enable the Secretary of Agriculture] to continue the necessary improvements to establish and maintain a general experimental farm and agricultural station on the Arlington estate, in the State of Virginia, in accordance with the provisions of the Act of Congress approved April eighteenth, nineteen hundred; to investigate and report on the cost of growing and curing tea and the best method of cultivating and preparing the same for market; to investigate and develop the domestic production of sugar-beet seed and the best methods of increasing the tonnage of sugar-beets; to continue inquiry and ascertain the progress made in the production of domestic sugar from beets and sorghum and other sugar-producing plants; to collect, purchase, propagate, test, and experiment with rare new seeds, bulbs, trees, shrubs, vines, cuttings, and plants; and the Secretary of Agriculture is hereby directed to obtain in the open market samples of seeds of grass, clover, or alfalfa, test the same, and if any such seeds are found to be adulterated or misbranded, or any seeds of Canada blue grass—<i>Poa compressa</i>—are obtained under any other name than Canada blue grass or <i>Poa compressa</i>, to publish the results of the tests, together with the names of the persons by whom the seeds were offered for sale.</p> <p>To enable the Secretary of Agriculture to establish a standard for the different grades of cotton, calling 10</p>							

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<p><i>General Expenses, Bureau of Plant Industry--Continued.</i></p> <p>his assistance for that purpose expert cotton classifiers, by fixing a standard of middling cotton and, using the same as a basis, establishing a standard of nine different grades to be designated middling fair, strict good middling, good middling, strict middling, middling, strict low middling, low middling, strict good ordinary, and good ordinary, which shall be the official standard of cotton classifications. And [the Secretary of Agriculture] he is authorized and directed to prepare in practical form the standard of said grades and furnish the same upon request to any person, the cost thereof to be paid, when delivered, by the person requesting the same, and certified under the signature of the [said] Secretary of Agriculture and the seal of his Department.</p> <p>To enable the Secretary of Agriculture to establish and maintain, at such points as [he] may be [deem] expedient, laboratories for the purpose of examining and reporting upon the nature, quality, and condition of any sample, parcel, or consignment of seed or grain [including rent and the employment of labor in the city of Washington and elsewhere]; and he [the Secretary of Agriculture] is authorized to report upon such samples, parcels, or consignments, from time to time, and the reports so made shall serve as a basis for the fixing of definite grades, and also for the issuance of certificates of inspection when requested by the consignor or consignee of any grain entering into foreign commerce.</p> <p>For rent and repairs [in the District of Columbia and elsewhere]; and [for] the employment of investigators, local and special agents, agricultural explorers, experts, clerks, illustrators, assistants, student or scientific aids, foremen, gardeners, mechanics, and all other necessary labor and scientific assistance [required in conducting investigations and experiments] in the city of Washington and elsewhere; for collating, mapping, illustrating, digesting, [printing] reporting, publishing, and disseminating information on the results of [these] investigations and experiments; for official traveling expenses; for apparatus, machinery, tools, and other implements, and repairs to same, [for the purchase of] chemicals, materials, office, field, and laboratory supplies, fertilizers, [office fixtures] fuel, horses, (for) forage, vehicles, [and] harness, horseshoeing, ice, postage, [and] washing towels, [for] gas, [and] electric current, [for] telegraph and telephone service, [for] express and freight charges, and [for] all other necessary expenses, [eight hundred and ninety-six thousand two hundred and sixty-six] one million one hundred twenty-seven thousand and six dollars [of which sum not to exceed ten thousand dollars shall be immediately available for cotton boll weevil work]-----</p> <p>NOTE 1.—An apparent increase of \$230,740 is submitted, but deducting the net increase in salaries of employees transferred to and from the statutory roll, amounting to \$5,740, the actual increase is \$225,000. Of this sum \$175,000 will be used for the extension of the farm management and farmers' cooperative demonstration work in the South; the continuance and development of the experiments and demonstrations already under way in cooperation with the United States Reclamation Service on the newly irrigated lands of the semiarid West; the development of the work on cotton standardization, specifically authorized by the last session of Congress; for the normal growth of the work on plant, orchard, and forest diseases; and for meeting demands made upon the Bureau for increase work along various lines, such as breeding and demonstration work with grains, corn, cotton, asparagus, and other crops, seed testing, plant life history, horticulture, and pomology; and \$50,000 will be used for the purpose of enlarging the scope of the work in cooperation with the Reclamation Service, by the inauguration of definite agricultural work on not less than ten of the reclamation projects. Owing to the fact that a large number of the reclamation projects are now ready for agricultural development, the Department of the Interior has urgently requested this Department to aid it during the next fiscal year.</p> <p>NOTE 2.—The titles of the principal items provided for above, and the approximate amounts of expenditure contemplated thereunder, are as follows:</p> <p>Central office of bureau ..... \$35,002</p> <p>Pathology—</p> <p>Central laboratory ..... 18,407</p> <p>Investigations of diseases of fruit ..... 35,414</p> <p>Forest pathology investigations ..... 17,696</p> <p>Cotton and truck crop disease investigations ..... 13,326</p> <p>Pathological collections ..... 4,521</p>	May 23, 1908	35	256-7	1	\$1, 127, 006. 00	\$896, 266. 00	





Nature of work.

No.	Name	Salary	Where employed	Nature of work.						
95	F. Martinez	\$15 mo.	Brownsville, Tex.	General farm labor, - hoeing, weeding, digging, etc.						
	R. Reys	\$15 mo.	" "	"	"	"	"	"	"	"
	N. Torres	\$15 mo.	" "	"	"	"	"	"	"	"
	P. Abadio	\$15 mo.	" "	"	"	"	"	"	"	"
	R. Martinez	\$15 mo.	" "	"	"	"	"	"	"	"
96	C. N. Thibodeaux	\$15 mo.	Lafayette, La.	In charge of demonstration farms in Lafayette County, La.						
97	P. H. Rolfs	\$10 mo.	Gainesville, Fla.	Experiments in growing lettuce and other truck crops.						
	J. J. Culver	\$10 mo.	Alabama	Collaborates with us on cotton boll shedding experiments.						
98	E. R. Lloyd	\$10 mo.	Agricultural Col. Miss.	Makes trips to diversifications farms studying crop systems.						
99	C. Garcia	\$7.50 mo.	Brownsville, Tex.	General farm labor, - hoeing, weeding, digging, etc.						
100	W. Stuart	\$5 mo.	Burlington, Vt.	Cooperative work on potatoes at Vermont Experiment Station						
101	E. M. Fries	\$2 mo.	Keyser, Vt.	Work in connection with fruit district investigations at Keyser.						
102	E. M. Wilcox and 22 others @ \$1	\$23 mo.		Collecting material in connection with plant disease survey.						
103	J. A. Covell	\$3 diem	Fallon, Nev.	General farm labor, - hoeing, weeding, digging, etc.						
104	E. W. Allen and 46 others @ \$3	\$141 diem		Collecting samples of seed for analysis to determine the presence of adulterants.						
105	A. C. Swesey	\$2.50 diem	Fallon, Nev.	General farm labor, - hoeing, weeding, digging, etc.						
	J. A. Wood	\$2.50 diem	" "	"	"	"	"	"	"	"
	J. I. Toler	\$2.50 diem	Yuma, Ariz.	"	"	"	"	"	"	"
106	J. M. Riley	\$2 diem	" "	"	"	"	"	"	"	"
107	H. Jackson	\$1.50	Arlington Farm	"	"	"	"	"	"	"
	W. A. Garrett	\$1.50	" "	"	"	"	"	"	"	"
	M. B. Minor	\$1.50	" "	"	"	"	"	"	"	"
	A. Saunders	\$1.50	" "	"	"	"	"	"	"	"
	K. V. Nalls	\$1.50	" "	"	"	"	"	"	"	"
	Silas Reed	\$1.50	" "	"	"	"	"	"	"	"
	G. W. Smoot	\$1.50	" "	"	"	"	"	"	"	"
	W. M. Pearson	\$1.50	" "	"	"	"	"	"	"	"
	C. Putnam	\$1.50	" "	"	"	"	"	"	"	"
	C. Marcey	\$1.50	" "	"	"	"	"	"	"	"
	M. Collins	\$1.50	" "	"	"	"	"	"	"	"
	T. N. Lynn	\$1.50	" "	"	"	"	"	"	"	"
	S. Butler	\$1.50	" "	"	"	"	"	"	"	"
	G. W. Bailey	\$1.50	" "	"	"	"	"	"	"	"
	C. Hjort	\$1.50	" "	"	"	"	"	"	"	"
	T. H. Lynn	\$1.50	" "	"	"	"	"	"	"	"
	J. T. Sewell	\$1.50	" "	"	"	"	"	"	"	"
	J. H. Makel	\$1.50	" "	"	"	"	"	"	"	"
	F. H. Ball	\$1.50	" "	"	"	"	"	"	"	"
	T. W. Basye	\$1.50	" "	"	"	"	"	"	"	"
	C. Burke	\$1.50	" "	"	"	"	"	"	"	"
108	B. Tamejuneba	\$1	San Antonio, Tex.	"	"	"	"	"	"	"







No.	Name.	Salary	Where employed	Nature of work.
78	O. O. Churchill	\$50 mo.	Fargo, N. D.	Conducting grain experiments at Fargo, N. D.
	F. W. Faurot	\$50 mo.	Mountain Grove, Mo.	conducting spraying experiments, studies of bitter rot, etc.
	C. A. Mahan	\$50 mo.	Lexington, Ky.	Engaged in tobacco investigations in Kentucky.
	O. B. Chisholm	\$50 mo.	Lexington, Ky.	Experimental tobacco work in Kentucky.
	L. G. Connor	\$50 mo.	In the field.	Engaged in the study of the weight and volume of hay in connection with Farm Management.
	C. A. Hoke	\$50 mo.	Oklahoma	Making agricultural reconnaissance in Oklahoma.
	R. E. Vaughan	\$50 mo.	Burlington, Vt.	cooperative work on disease-resistant potatoes.
	L. Bartholomew	\$50 mo.	Stockton, Kas.	Looking after experimental alfalfa plats at Stockton, Kas.
79	G. Fitzpatrick	\$50 mo.	No. Cent. States	Making detailed studies and records of systems of farming.
80	W. H. Burns	\$50 mo.	Blissfield, Mich.	Conducting experimental work on sugar beets in Michigan.
81	W. L. Evans	\$50 mo.	Dalhart, Tex.	General farm labor, - hoeing, weeding, digging, etc.
	J. W. Middleton	\$50 mo.	Brookings, S. D.	" " " " " " "
	H. S. Payne	\$50 mo.	Arlington Farm	" " " " " " "
	C. Marcey	\$50 mo.	" "	" " " " " " "
	B. B. Holland	\$50 mo.	Amarillo, Tex.	" " " " " " "
	F. Ullrich	\$50 mo.	North Platte, Neb	" " " " " " "
82	T. Marcey	\$45 mo.	Arlington Farm	General farm labor, - hoeing, weeding, digging, etc.
	G. W. Childers	\$45 mo.	San Antonio, Tex.	" " " " " " "
	C. A. Marshall	\$45 mo.	Miami, Fla.	" " " " " " "
	Ira Davis	\$45 mo.	Arlington Farm	" " " " " " "
	W. M. Studds	\$45 mo.	" "	" " " " " " "
	F. L. Marcey	\$45 mo.	" "	" " " " " " "
83	C. H. Strothman	\$40 mo.	Miami, Fla.	General Farm Labor, - hoeing, weeding, digging, etc.
	Lee Ward	\$40 mo.	Little River Fla.	" " " " " " "
	E. Anderson	\$40 mo.	Miami, Fla.	" " " " " " "
84	W. D. Clayton	\$40 mo.	Washington, Miss.	In charge of demonstration farms in Adams County, Miss.
	A. T. Anders	\$40 mo.	In the field	Making field observations in connection with cotton investigations.
85	T. E. Holloway	\$37.50 mo.	Brownsville, Tex.	General farm labor, - hoeing, weeding, digging, etc.
86	J. Kempton	\$35 mo.	San Antonio, Tex.	" " " " " " "
	V. Nelson	\$35 mo.	McPherson, Kas.	" " " " " " "
87	J. Guorrero	\$32 mo.	San Antonio, Tex.	" " " " " " "
88	F. Garrero	\$30 mo.	" " "	" " " " " " "
	J. F. Smith	\$30 mo.	" " "	" " " " " " "
89	E. Burke	\$30 mo.	Bozeman, Mont.	Conducting sugar beet investigations at Bozeman, Mont.
90	I. B. Lower	\$25 mo.	Arlington Farm	General farm labor, - hoeing, weeding, digging, etc.
91	W. B. McCleary	\$25 mo.	Helvotia, Ariz.	Fence rider in connection with range investigations in Ariz.
92	G. W. Shaw	\$25 mo.	Berkeley, Calif.	Collaborator in grain experiments; wheat improvement in Calif.
	E. H. Gadsen	\$25 mo.	Summerville, S. C.	Securing specific and definite information in connection with the relation of climatic conditions to the production of tea.
	L. R. Jones	\$25 mo.	Burlington, Vt.	Investigating late blight of potatoes in Vermont
	L. R. Waldron	\$25 mo.	Dickinson, N. D.	Cooperative work on cereals at North Dakota Experiment Station.
	M. L. Shorey	\$25 mo.	Chicago, Ill.	Work on biochemical researches on plant pathology, etc.
	C. T. McNoss	\$25 mo.	Lee Co., Fla.	Collaborator in connection with tobacco investigations in Lee Co.
	C. W. Nash	\$25 mo.	College Park, Md.	Collaborator in grain experiment work at College Park.
	J. F. Dugger	\$25 mo.	Alabama	Investigating diversified farming in the State of Alabama.
93	W. Sinclair	\$20 mo.	San Antonio, Tex.	Engaged in cactus investigations at San Antonio, Tex.
94	G. Rodriguez	\$18.75 mo.	Brownsville, Tex.	General farm labor, - hoeing, weeding, digging, etc.
	A. Coronado	\$18.75 mo.	" "	" " " " " " "
	E. Garcia	\$18.75 mo.	" "	" " " " " " "



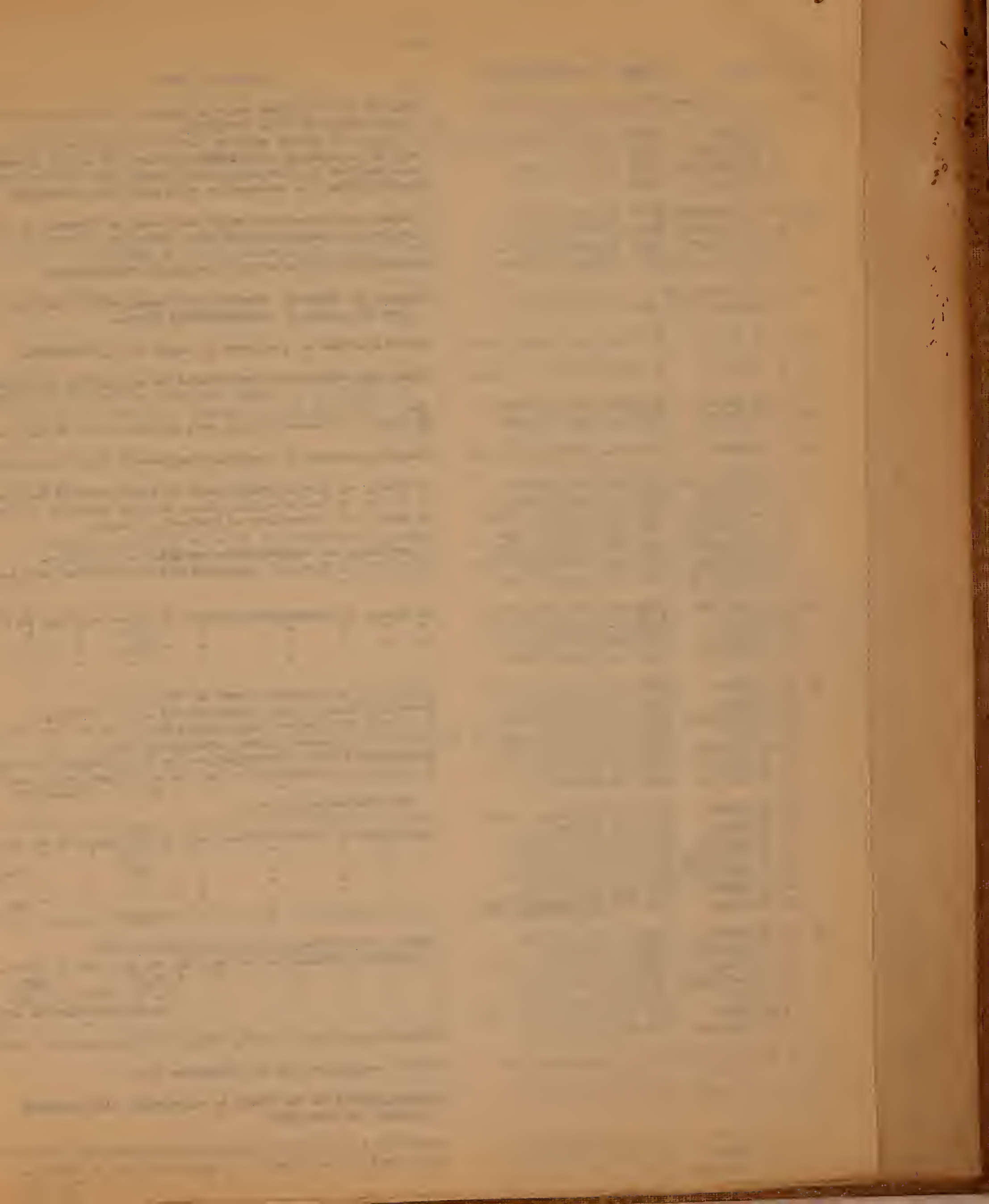




No.	Name.	Salary	Where employed	Nature of work.
70	C. L. Alexander	\$75 mo.	St. Anthony Park, Minn.	Cooperative cereal work at St. Anthony Park, Minn.
	D. C. Myers	\$75 mo.	Cookville, Tex.	In charge of demonstration farms in Titus County, Tex.
	J. K. Tom	\$75 mo.	Georgetown, Texas	" " " " vicinity of Georgetown.
	J. Ballard	\$75 mo.	Farmersville, La.	" " " " Union County, La.
	G. H. Alford	\$75 mo.	Magnolia, Miss.	" " " " Pike " Miss.
	E. Green	\$75 mo.	Brookhaven, Miss.	" " " " Lincoln " "
	P. K. Egan	\$75 mo.	Morrilton, Ark.	" " " " Conway County, Ark.
	J. H. Gregory	\$75 mo.	Lone Oak, Tex.	" " " " two counties in Tex.
	C. M. Cook	\$75 mo.	Morphlet, Ark.	" " " " Union County, Ark.
	M. L. Kuykendall	\$75 mo.	Hallsville, Tex.	" " " " eight counties in Texas.
	M. H. Vandiver	\$75 mo.	Canton, Tex.	" " " " two " " "
	H. C. Swann	\$75 mo.	Cheneyville, La.	" " " " " " La.
	C. P. Franklin	\$75 mo.	Raleigh, N. C.	Collecting samples of seed for analysis.
	W. L. Bryson	\$75 mo.	Sulphur Springs, Tex.	In charge of demonstration farms in Hopkins County, Tex.
	G. H. Winfrey	\$75 mo.	Henderson, Tex.	" " " " Henderson " "
	P. P. Wilkins	\$75 mo.	Collinsville, Tex.	" " " " two counties in Tex.
	T. M. Marks	\$75 mo.	Jackaboro, Tex.	" " " " Jack County, Tex.
	M. Snowden	\$75 mo.	Magnolia, Miss.	" " " " Pike County, Miss.
	J. A. Henderson	\$75 mo.	Pilot Knob, Texas	" " " " vicinity of Pilot Knob.
	Harry Beck	\$75 mo.	Hillsboro, Tex.	" " " " Hill County, Tex.
	J. C. Murphy	\$75 mo.	Magnolia, Ark.	" " " " Columbia County, Ark.
	J. H. Black	\$75 mo.	Hope, Ark.	" " " " Hempstead County, Ark.
	I. H. Lanier	\$75 mo.	Linden, Tex.	" " " " two counties in Texas.
	G. T. Smith	\$75 mo.	Pittsburg, Tex.	" " " " " " " "
	M. E. Huffman	\$75 mo.	Oakwood, Tex.	" " " " Leon County, Tex.
	R. W. Glover	\$75 mo.	Prattsville, Ark.	" " " " Grant County, Ark.
	S. A. Robert	\$75 mo.	Centerville, Miss.	" " " " two counties in Miss.
	T. E. Kimball	\$75 mo.	Homer, La.	" " " " Claiborne County, La.
	M. G. Bean	\$75 mo.	Paris, Tex.	" " " " two counties in Texas.
	C. J. Johnson	\$75 mo.	Soper, Okla.	" " " " Choctaw County, Okla.
	J. J. Ross	\$75 mo.	Bennington, Okla.	Conducting Far. Coop. Dem. Work with students at Bennington
	E. H. Jackson	\$75 mo.	Leoney, Okla.	In charge of demonstration farms in Green County, Okla.
	F. F. Ferguson	\$75 mo.	Niaco, Okla.	" " " " two counties in Oklahoma
	A. A. Aldrich	\$75 mo.	Hill Creek, Okla.	" " " " " " " "
	E. Webb	\$75 mo.	Marshall, Okla.	" " " " Lebanon County, Okla.
	A. J. Hunter	\$75 mo.	Snyder, Okla.	" " " " vicinity of Snyder.
	G. F. Risher	\$75 mo.	Pelican, La.	" " " " two counties in La.
	L. D. Owens	\$75 mo.	Monticello, Ark.	" " " " six " " Ark.
	J. H. Raines	\$75 mo.	Fordyce, Ark.	" " " " two " " "
	A. J. Scott	\$75 mo.	Greenwood, La.	" " " " " " " La.
	G. Banzhaf	\$75 mo.	Rockdale, Tex.	" " " " Milan County, Tex.
	J. F. Dollinger	\$75 mo.	Monticello, Ark.	" " " " eight counties in Ark.
	C. N. Brumfield	\$75 mo.	Columbus, Miss.	" " " " vicinity of Columbus.
71	G. A. Hoye	\$70 mo.	Amarillo, Tex.	Assists in selection of grain sorghum varieties.
72	J. T. Scott	\$63 mo.	St. Anthony Park, Minn.	Cooperative cereal work with the Minnesota Experiment Station.
73	F. Wolf	\$60 mo.	Lincoln, Neb.	Conducting grain investigations at Lincoln, Neb.
	C. W. Davis	\$60 mo.	Highmore, S. D.	Assisting in dry-land agriculture investigations.
	F. R. Babcock	\$60 mo.	Williston, N. D.	In charge of cooperative dry-land cereal investigations, Williston, N. D. substation.
74	W. E. F. Gonne	\$60 mo.	Brownsville, Tex.	General gardening in South Texas Garden.
	H. R. Reed	\$60 mo.	Garden City, Kas.	Supervising field operations in connection with investigations in dry-land agriculture at Garden City, Kas.
	T. B. Mackall	\$60 mo.	Arlington Farm	Assists in work of grain investigations, particularly barley.
75	H. C. Thompson	\$720 a.	In the field.	Making detail studies of farms
76	J. I. Hilstead	\$60 mo.	Norfolk, Va.	Assisting generally at the Virginia Truck Experiment Station
	H. Pershing	\$60 mo.	Hugo, Colo.	General labor in connection with investigations of loco and other poisonous plants.
	B. C. Cookman	\$60 mo.	Arlington Farm	Blacksmith work, pipe fitting.
	W. A. Hume	\$60 mo.	Fallon, Nev.	General farm labor; plowing harrowing, irrigating, etc.
	H. Martin	\$60 mo.	Akron, Colo.	" " " hoeing, weeding, digging, etc.
77	W. E. Holgate	\$55 mo.	Dickinson, N. D.	Caring for experiments and life history studies of alfalfa.









No.	Name	Salary	Where employed	Nature of work.
55	H. J. Patterson	\$300	College Park, Md.	Study of the relation between types of farming and the maintenance of soil fertility.
	J. F. Bull	\$300	St. Anthony Park, Minn.	In charge of barley nursery work at St. Anthony Park.
	H. T. Freeman	\$300	" " "	Work in connection with investigations of cereal diseases.
	B. G. Anderson	\$300	In the field	Collaborator in connection with cooperative tobacco work in Va.
	W. L. Bray	\$300	" " "	Investigations in connection with mistletoe diseases.
56	G. T. Churchill	\$200	Geneva, N. Y.	Testing American-grown sugar beet seed at Geneva, N. Y.
57	J. M. Anderson	\$100	Mineral, Ia.	Carrying on investigations with varieties of vetch at Mineral.
	S. M. Stewart	\$100	Huntsville, Ala.	Experiments with diversification of crops.
	F. A. Richardson	\$100	Ridgeland, Miss.	Investigating diversified farming in Mississippi.
58	R. E. Grouse and 36 others @ \$1	\$87	In the field	Engaged in Farmers' Cooperative Demonstration Work in the South; also in charge of demonstration farms.
59	C. F. Saylor	\$225 mo.	Des Moines, Iowa.	Investigations of progress of sugar beet production.
60	S. W. Bain	\$200 mo.	Knoxville, Tenn.	Field and laboratory experiments in connection with the growing of selections of cotton for increased length of staple, etc.
	D. H. Barrow	\$200 mo.	Lake Charles, La.	Gen'l Assistant to Special Agent in charge of Farmers' Coop. Dem. Work
61	W. F. Proctor	\$1800 a.	Tyler, Texas	In charge of Demonstration work in Texas east of H. & T.C.R.R.
62	H. Thompson	\$150 mo.	South Park, Wash.	Studying methods of preparing logged-off land for cultivation.
63	J. L. Quicksall	\$125 mo.	Waco, Texas.	In charge of demonstration work in Texas west of H. & T.C.R.R.
	G. H. Pruitt	\$125 mo.	Cooper, Texas.	In charge of demonstration farms in five counties in Texas.
	J. H. Kinsler	\$125 mo.	Victoria, Texas	In charge of laboratory at Victoria, Texas.
	H. L. McKnight	\$125 mo.	Naples, Texas	In charge of demonstration farms in vicinity of Naples.
	T. O. Plunkett	\$125 mo.	Marshall, Tex.	Supervision of demonstration work in two counties.
	G. D. Bentley	\$125 mo.	Tulamingo, Okla.	In charge of Farmers' Cooperative Demonstration work in Okla.
	W. M. Bamberg	\$125 mo.	Ardmore, Okla	" " " " " " " " " " East. Okla.
64	L. J. Huffman	\$110 mo.	Palentine, Tex.	In charge of demonstration farms in three counties in Texas.
	G. W. Orms	\$110 mo.	Timpson, Texas.	" " " " " " " " " " " four " " "
	C. E. Allen	\$110 mo.	Wineola, Tex.	" " " " " " " " " " " three " " "
	T. A. Terrell	\$110 mo.	Terrell, Tex.	" " " " " " " " " " " " " " "
65	A. Tournier	\$100 mo.	Berkeley, Calif.	Engaged in viticultural work in California
	H. Garman	\$100 mo.	Lexington, Ky.	Investigations of crop rotation and soil fertility.
	D. H. Caldwell	\$100 mo.	Ardmore, Okla.	In charge of Farmers' Cooperative Dem. Work in four counties in Okla.
	C. Salmon	\$100 mo.	Halle Paurche, S. D.	Engaged in dry-land cereal investigations.
	H. C. Woosley	\$100 mo.	Lexington, Ky.	Conducting blight investigations in White Burley District in Ky., &
	J. K. Temple	\$100 mo.	Grand Cane, La.	In charge of demonstration work in nine counties in Louisiana.
	L. L. Perrin	\$100 mo.	Dezham, Ia.	" " " " " " " " " " " La. no. of Alexandria and West of the Mississippi River.
	H. M. Offutt	\$100 mo.	Cleburne, Texas	Engaged in study of production of forage in the plains region.
	S. R. Alsop	\$100 mo.	Winden, Ia.	Supervision of Demonstration work in two counties in Ia.
	L. P. Cowdin	\$100 mo.	Grand Cane, La.	" " " " " " " " " " " three " " "
	W. C. Stallings	\$100 mo.	Tyler, Texas	" " " " " " " " " " " two " " Texas
	J. T. McWilliams	\$100 mo.	Althons, Texas	" " " " " " " " " " " " " " "
	G. R. Sutton	\$100 mo.	Arcadia, Ia.	" " " " " " " " " " " " " " "
	A. V. Swaty	\$100 mo.	Little Rock, Ark.	Farmers' Cooperative Demonstration Work in Arkansas
66	L. E. Hazen	\$80 mo.	Hayes, Kan.	Work in connection with dry-land agriculture.
	W. W. Campbell	\$80 mo.	Giddings, Tex.	In charge of demonstration work in two counties in Texas.
	D. L. Swaty	\$80 mo.	Monticello, Ark.	" " " " " " " " " " " eight " " Ark.
	R. E. Davidson	\$80 mo.	Seare, Ark.	" " " " " " " " " " " N. E. section of Ark.
	J. J. Moore	\$80 mo.	Hope, Ark.	" " " " " " " " " " " twelve counties in Ark.
	W. J. Apple	\$80 mo.	Little Rock, Ark.	" " " " " " " " " " " " " " "
	F. G. Peterson	\$80 mo.	Yuma, Ariz.	Horticultural work in Yuma, Ariz., in connection with cotton inns.
67	T. G. Iglehart	\$900 a	Arlington Farm	General carpenter work on Arlington Farm
68	A. B. Clawson	\$900 a	In the field	Investigations in the field in connection with campaign against the loco weed.
69	P. J. Bollman	\$75 mo.	Baltimore, Md.	Analyst in Grain Standardization Laboratory at Baltimore.
	R. B. Woolsey	\$75 mo.	Chicago, Ill.	Makes analysis and reports of grain samples at Chicago.
	W. J. O'Loughlin	\$75 mo.	New York, N. Y.	" " " " " " " " " " " New York.
				" " " " " " " " " " " St. Louis









No.	Name	Salary	Where Employed	Nature of work.
	G. L. Fawcett	\$1200		In charge of grain standardization laboratory at St. Louis, Mo.
	W. P. Carroll	\$1200	St. Louis, Mo.	" " " " " " Duluth, Minn.
	F. J. Rydor	\$1200	Duluth, Minn.	Assistant in cooperative cotton breeding investigations in Ca.
	H. A. Allard	\$1200	Georgia.	Assistant in orchard spraying demonstrations.
	T. W. Ayres	\$1200	In the field	Stenography and typewriting.
35	H. H. Howell	\$1080	Chico, Calif.	
	L. C. Burnett	\$1000	In the field	Special Agent in oat breeding
36	C. A. Reed	\$1000	" " "	Experimental work in connection with commercial varieties of pecan.
	D. W. Frear	\$1000	Madison, Wis.	Work in connection with the introduction of improved varieties of barley
	J. E. Blohm	\$1000	Palestine, Tex.	Assists in tobacco breeding investigations
	P. T. Allen	\$1000	Yuma, Ariz.	Assistant to Supt. of the Yuma Experiment Farm.
	D. E. Brown	\$1000	College Park, Md.	In charge of breeding tobacco in Maryland.
	D. H. Doane	\$1000	In the field	Assisting in agricultural reconnaissance in the Plains region
	R. P. Cocke	\$1000	Chatham, Va.	In charge of tobacco investigations being carried on at Chatham, Va.
37	A. C. Dillman	\$1000	Highmore, S. D.	In charge of breeding work in connection with the development of drought-resistant crops in the Great Plains
	S. C. Hood	\$1000	Orange City, Fla.	Camphor culture and testing drug plants at Orange City, Fla.
38	W. V. Shear	\$1000	Arlington Farm	In charge of potato experiments on Arlington Farm
	W. L. Flannery	\$1000	Sacaton, Ariz.	Superintendent of work conducted in cooperation with the Indian Service
	F. V. Rand	\$1000	In the field	Assisting in investigations of diseases of large fruits
	E. C. Richey	\$1000	New Orleans, La.	In charge of grain standardization laboratory at New Orleans, La.
	A. W. Sattre	\$1000	Minneapolis, Minn.	" " " " " " Minneapolis, Minn.
	E. L. Morris	\$1000	Baltimore, Md.	" " " " " " Baltimore, Md.
39	E. F. Chilcott	\$960	Edgeley, S. D.	Supervision of cooperative field work in dry-land agriculture at Edgeley, S. D.
	O. J. Grace	\$960	Dickinson, N. D.	In charge of cooperative work in dry-land agriculture at Dickinson
	L. M. Smith	\$960	Chicago, Ill.	Makes analysis and reports on grain samples.
40	H. K. Hayes	\$900	Tarriffville, Conn.	Assists in tobacco investigations in Connecticut Valley
41	B. Drummond	\$900	Indio, California	Foreman at Indio date garden at Mecca; has general supervision
	E. W. Hudson	\$900	Sacaton, Ariz.	In charge of cooperative testing and demonstration farm at Sacaton.
	R. H. Meade	\$900	In the field	Field work in cotton and corn experiments.
42	C. A. Russell	\$900	New Orleans, La.	Makes analysis and reports on grain samples.
	J. F. Comerford	\$900	St. Louis, Mo.	Examining grain, making moisture tests, etc., at St. Louis.
	G. N. Davies	\$900	Duluth, Minn.	General aid in grain standardization laboratory at Duluth.
	L. Duval	\$900	Baltimore, Md.	In charge of Grain Standardization laboratory at Baltimore.
43	C. DeBaun	\$840	Sacaton, Ariz.	Work on testing and demonstration gardens at Sacaton.
44	W. G. Shelley	\$840	Akron, Colo.	Work in dry-land farming at Akron.
45	R. M. Boss	\$840	Brownsville, Tex.	Stenography and typewriting.
46	E. Simmonds	\$840	Miami, Fla.	Gardening.
47	C. A. Mooers	\$800	Knoxville, Tenn.	In charge of grain experiments and chemical work with grain at Knoxville
48	H. Marsh	\$780	In the field	Field investigations of loco weed.
49	N. Stevenson	\$720	Lincoln, Nebr.	Seed testing for mechanical purity
50	C. W. Thompson	\$720	Belle Fourche, S. D.	Work on experimental plots, care of horses, etc.
	E. S. Funk	\$720	Fallon, Nev.	General farm labor--plowing, harvesting, etc., on the Truckee-Carson Experiment Farm near Fallon.
51	G. L. Fawcett	\$700	Miami, Fla.	Breeding & propagation of citrus and other fruits and trees.
52	F. J. Pritchard	\$600	Ithaca, N. Y.	Engaged in cereal breeding and grain experiments at Cornell.
53	D. H. Von Böttger	\$600	Arlington Farm	Work in greenhouses on Arlington Farm.
54	I. G. Phillips	\$480	" "	General farm labor--repairs harness, etc.





No.	Name	Salary	Where employed	Nature of work
14	J. B. Rorer	\$1800	In the field	Conducting orchard spraying demonstrations.
15	W. W. Tracy Jr.	\$1800	Chico, Calif.	In charge of Plant Introduction Garden at Chico
16	L. A. Fitz	\$1800	Baltimore, Md.	In charge of seed testing laboratory at Baltimore, Md.
	C. E. Leighty	\$1800	New York, N. Y.	In charge of grain standardization laboratory at New York.
17	J. M. Stephens	\$1600	Judith Basin, Mont.	Superintendent of the Judith Basin Project.
	E. B. Boykin	\$1600	In the field	Breeding cottons for S. C., testing value of fertilization, etc.
18	W. W. Green	\$1600	Louisa, Va.	Tobacco investigations; studies of improvement of cotton strains
19	J. A. Drake	\$1600	In the field	In charge of farm management district comprising Ohio, Ind. and Ill.
	H. A. Miller	\$1600	" " "	" " " " " " " " Va., Md., & Del.
	M. A. Crosby	\$1600	" " "	" " " " " " " " Ala., Miss. & Tenn.
20	G. W. Harris	\$1500	Baldwinsville, N. Y.	Conducting tobacco investigations in New York.
21	W. W. Smith	\$1500	Arlington Farm	Assistant to Superintendent of Arlington Farm, charge of field work.
22	F. L. Husman	\$1500	In the field	Viticultural Supt. in the cooperative experimental vineyards in Cal.
23	P. J. O'Gara	\$1500	In the field	Investigating orchard diseases; eradication of pear blight, etc.
	J. E. Payne	\$1500	Akron, Colo.	Superintendent of dry-land agriculture station at Akron, Colo.
	E. G. Boerner	\$1500	In the field	Engaged in the examination of cargoes of American grain arriving at European ports with a view to improving grading and handling
24	W. B. Schrader	\$1400	Marion, Ala.	Assisting in tobacco investigations in Alabama.
25	J. F. Ross	\$1400	Amarillo, Texas	Supt. of grain experiments being conducted in Texas Panhandle.
	W. A. Peterson	\$1400	Yuma, Ariz.	Superintendent of Yuma Experiment Station.
26	H. J. C. Umberger	\$1400	In the field	Conducting experiments with Durum wheat; grain rust and smut invns.
27	L. C. Rittue	\$1400	In the field	Field work in connection with single germ beet seed.
	H. B. Shaw	\$1400	" " "	Investigating diseases of sugar beet.
	P. Spaulding	\$1400	" " "	Engaged in the study of the damping-off disease of root seedlings, etc.
	J. A. Warren	\$1400	Lincoln, Nebr.	In charge of farm management district comprising Neb., Kas., Iowa, Missouri and Eastern Colorado
	L. L. Zook	\$1400	In the field	Investigations on the production of drought-resistant corn
	W. W. Burr	\$1400	North Platte, Neb.	Assistant in dry-land agricultural investigations at North Platte.
	L. G. Dodge	\$1400	In the field	In charge of farm management district comprising N.Y. and New England
	F. L. Kennard	\$1400	Dalhart, Texas	Supervision of experimental substation at Dalhart, Texas.
	G. F. Miles	\$1400	In the field	Investigations of diseases of small fruits, cotton root rot, etc.
	F. D. Farrell	\$1400	Nephi, Utah	In charge of dry-land grain farm at Nephi, Utah
28	Otto Olson	\$1200	Nacogdoches, Tex.	Engaged in experiments with fertilizers and breeding tobacco
29	August Mayer	\$1200	Arlington Farm	In charge of rose experiments at Arlington Farm
30	H. F. Blanchard	\$1200	Modesto, Calif.	In charge of cooperative grain work in California.
31	P. J. Wester	\$1200	Miami, Fla.	Propagation of subtropical plants.
	F. A. Clarke	\$1200	Pierce, Tex.	Work with matting rush; also tea culture, atyPierce, Tex.
32	S. J. Rogers	\$1200	Fallon, Nevada	Superintendent of Truckee-Carson Experiment Farm.
	S. H. Hastings	\$1200	San Antonio, Tex.	Farm Superintendent at San Antonio, Tex.
33	B. L. Moss	\$1200	West Jackson, Miss.	Supervision of Demonstration work in Smith County, Miss.
	J. C. Barnett	\$1200	Tallulah, La.	" " " " " " " " nile counties in Louisiana
	A. McLachlen	\$1200	Sacaton, Ariz.	Study of diversity in Egyptian cotton grown in the Southwest
34	G. F. Klugh	\$1200	Arlington Farm	Culture of drug plants at Arlington Farm.
	J. F. Reed	\$1200	Fairfield, Wash.	Growing commercial sugar beet seed with a view to improvement.
	G. F. Mitchell	\$1200	Summerville, S. C.	Assists in tea culture investigations.
	T. B. Young	\$1200	Tinnesdale, S. C.	Drug plant investigations at S. C. Drug Plant Testing Gardens.
	L. A. Hawkins	\$1200	In the field	Assists in investigations of diseases of the grape, cranberry, etc.
	C. E. Quinn	\$1200	" " "	Investigation of the management of hog farms.
	W. S. Ballard	\$1200	" " "	Assists in investigations of orchard diseases.
	H. W. White	\$1200	" " "	Assists in fruit marketing, transportation and storage investigations



The first part of the paper is devoted to a discussion of the general principles of the theory of the structure of the atom. It is shown that the structure of the atom is determined by the laws of quantum mechanics, and that the laws of quantum mechanics are in agreement with the experimental facts.

The second part of the paper is devoted to a discussion of the application of the theory of the structure of the atom to the study of the properties of matter. It is shown that the theory of the structure of the atom can be used to calculate the properties of matter, and that the results of these calculations are in agreement with the experimental facts.

The third part of the paper is devoted to a discussion of the application of the theory of the structure of the atom to the study of the properties of light. It is shown that the theory of the structure of the atom can be used to calculate the properties of light, and that the results of these calculations are in agreement with the experimental facts.

The fourth part of the paper is devoted to a discussion of the application of the theory of the structure of the atom to the study of the properties of the nucleus. It is shown that the theory of the structure of the atom can be used to calculate the properties of the nucleus, and that the results of these calculations are in agreement with the experimental facts.

The fifth part of the paper is devoted to a discussion of the application of the theory of the structure of the atom to the study of the properties of the elementary particles. It is shown that the theory of the structure of the atom can be used to calculate the properties of the elementary particles, and that the results of these calculations are in agreement with the experimental facts.

The sixth part of the paper is devoted to a discussion of the application of the theory of the structure of the atom to the study of the properties of the universe. It is shown that the theory of the structure of the atom can be used to calculate the properties of the universe, and that the results of these calculations are in agreement with the experimental facts.

The seventh part of the paper is devoted to a discussion of the application of the theory of the structure of the atom to the study of the properties of the human body. It is shown that the theory of the structure of the atom can be used to calculate the properties of the human body, and that the results of these calculations are in agreement with the experimental facts.

The eighth part of the paper is devoted to a discussion of the application of the theory of the structure of the atom to the study of the properties of the human mind. It is shown that the theory of the structure of the atom can be used to calculate the properties of the human mind, and that the results of these calculations are in agreement with the experimental facts.

The ninth part of the paper is devoted to a discussion of the application of the theory of the structure of the atom to the study of the properties of the human soul. It is shown that the theory of the structure of the atom can be used to calculate the properties of the human soul, and that the results of these calculations are in agreement with the experimental facts.

The tenth part of the paper is devoted to a discussion of the application of the theory of the structure of the atom to the study of the properties of the human spirit. It is shown that the theory of the structure of the atom can be used to calculate the properties of the human spirit, and that the results of these calculations are in agreement with the experimental facts.

No.	Name	Salary	Where Employed	Nature of Work
116	J.B. Connor	\$3.50 per diem	Various laboratories	Making laboratory hoods, tables, etc.
	Wm. H. Jones	\$3.50	"	"
	P.F. Hankel	\$3.50	"	"
	Wm. H. Givron	\$3.50	"	"
	W.F. Glase	\$3.50	"	"
	Wm. P. Grass	\$3.50	"	"
	J.T. Pryor	\$3.50	"	"
	John C. Gross	\$3.50	"	"
	Charles Edgerton	\$3.50	"	"
	John A. Mulloy	\$3.50	"	"
117	R.F. Whalen	\$3.50	Various offices & Labs.	Painting floors, doors, shelving, etc.
	Geo. T. Evans	\$3.50	" " " "	" " " "
118	R.H. Hart	\$2.00	"	Assisting Plumbers
	H.L. Skidmore	\$2.00	"	"
	C.W. Cox	\$2.00	"	"
	G.E. Graninger	\$2.00	"	"
119	J.P. Montgomery	\$2.00	Gardens and grounds	General labor in caring for grounds.
	C. Robinson	\$2.00	"	"
120	J.H. Thomas	\$1.75	"	"
	C.W. Sweeney	\$1.75	"	"
	S.C. Cuskins	\$1.75	"	"

## Out of Washington:

No.	Name	Salary	Where Employed	Nature of Work
1	W.A. Hinson	\$2500	Palestine, Tex.	Conducting tobacco experiments in Texas and Alabama.
2	A.V. Stubenrauch	\$2250	Berkeley, Calif.	Fruit transportation and storage work on Pacific Coast.
3	Henry Pittier	\$2250	Cent. & So. America	Foreign explorations to obtain new varieties of cotton and corn
4	Ernest A. Bessy	\$2000	Miami, Fla.	In charge of Sub-tropical Laboratory and Garden at Miami, Fla.
5	Edward C. Green	\$2000	Brownsville, Texas	In charge of South Texas Garden, at Brownsville, Texas.
6	John B. Stewart	\$2000	Tarriffville, Conn.	Study of improvement of native varieties of tobacco by seed selection and breeding.
7	C. L. Goodrich	\$2000	In the field	In charge of Farm Management District comprising N.C., S.C., Ga. & Fla.
	A. D. McHair	\$2000	Little Rock, Ark.	In charge of Farm Management District comprising Ark., La., and East Tex
8	S. M. Tracy	\$1000	Filoxi, Miss.	Study of the cultivation and uses of the cassava.
	J. A. Evans	\$3000	Shreveport, La.	Supervision of demonstration work in Louisiana and Arkansas.
	R. L. Bennett	\$2000	In the field	Investigations of methods of preparing, ginning, baling & marketing cotton
9	J. C. McDowell	\$1800	In the field	In charge of farm management district comprising Mich., Wis. & Dakota
	J. S. Cole	\$1800	Brookings, S. D.	In charge of work in dry-land agriculture at Brookings & Highmore
	H. L. Shantz	\$1800	In the field	Investigating the physiological relations of the native vegetation to its environment in the arid and semi-arid regions of U. S.
10	J. P. Campbell	\$1800	In the field	Supervises demonstration work in Va., N.C., S.C., Ga., and Fla.
	P. Youngblood	\$1500	" " "	In charge of farm management district comprising Okla. and Tex.
	D. A. Saunders	\$1500	Waco, Texas	Breeding long and short staple cottons for greater earliness, etc.
11	C. A. Jensen	\$1500	Belle Fourche, S.D.	In charge of dry-land agriculture station at Belle Fourche, S. D.
12	B. Hunter	\$1500	Walla Walla, Wash.	In charge of Farm Management district comprising Washington, Oregon, Idaho and Northern California.
13	E. C. Butterfield	\$1500	Arlington Farm	In immediate charge of Arlington Farm.





No.	Name	Salary	Where Employed	Nature of Work
95	Celia Gelletly	\$540	Pomological Collections	Cleaning glassware and doing other manual labor.
96	Annie E. Gibson	\$480	Pomological offices	Cleaning offices, glassware, etc.
97	G.A. Degenhardt	\$480	Testing Gardens	Messenger work.
	A.F. Lingle	\$480	Farmers' Coop. Dem. Work	"
98	R.N. Davis	\$360	Dry-Land Agriculture	"
	J.H. Lynch	\$360	Grain Standardization	"
99	Mario C. Smith	\$240	Various offices	Cleaning.
	Mary I. Smith	\$240	" "	"
	Sarah L. Garner	\$240	" "	"
	Annie Jamieson	\$240	" "	"
	Annie E. Wallace	\$240	" "	"
	Maria Johnson	\$240	" "	"
	Ida Hebron	\$240	" "	"
	Maggie Buchanan	\$240	" "	"
	Julia R. Franklin	\$240	" "	"
100	S. Arthur Knapp	\$1	Farmers' Coop. Demonstration	Assists the Special Agent in charge of demonstration work.
101	J.D. Rowen, Jr.	\$60 mo.	Gardens and Grounds	Propagation and care of plants under experimentation.
	C.L. Gooch	\$60	" " " "	" " " " " "
102	C.W. Dawson	\$60	" " " "	General labor.
	O.A. Walter	\$60	" " " "	General carpenter work.
103	Sydney Swann	\$55	" " " "	Drives cart and cares for horses.
	Geo. Culwell	\$55	" " " "	General labor.
	J.T. Parker	\$55	" " " "	General labor.
104	G.B. DeLoach	\$50	Seed Laboratory	Testing seeds for mechanical purity.
105	Wm. Sullivan	\$50	" Various offices	Janitor service, cleaning.
	J.W. Jones	\$50	" Lab't'y Soil Bacteriology	Cleans glassware, etc.
	T.A. Fitzgerald	\$50	" Gardens and grounds	General labor.
	H.M. Clark	\$50	" Property Room	Delivers supplies; general labor.
106	A.F. Dameron	\$45	" Plant Life History Inv'ns	Janitor service. General labor.
107	E.O. Dickerson	\$40	" Property Room	Delivers supplies; general labor.
108	O.E. Turner	\$40	" Farm Management	Messenger work.
109	Emma J. Carter	\$40	" Various offices.	Cleaning.
	Joseph Martin	\$40	" Assists carpenters;	general labor., in gardens and grounds.
110	Kirk C. Miller	\$30	" Crop Technology	General helper.
111	J.J. Connors	\$25	" Diseases of Orchard Fruits	Messenger work.
112	H.C. Malone	\$4 diem	Office of Chief of Bureau	Plumbing.
	J.M. Barrett	\$4	" "	"
	J.J. Lawless	\$4	" "	"
	T.F. Callahan	\$4	" "	"
	T.A. Fitzgerald	\$4	" "	"
113	S. Bean	\$3.50	" "	Carpenter work
114	M.J. Gartland	\$3.50	Various offices	Making laboratory hoods, tables, etc.
115	S.C. Bready	\$3.50	" "	Carpenter work.
	F.A. Belt	\$3.50	" "	"
	Geo. B. Haary	\$3.50	" "	"
	L. Sherwood	\$3.50	" "	"
	E.S. Schafer	\$3.50	" "	"
	John C. Ford	\$3.50	" "	"
	Martin Busch	\$3.50	" "	"
	L.E. Umstead	\$3.50	" "	"
	Wm. Stare	\$3.50	" "	"
	W. I. Ashby	\$3.50	" "	"





Nature of Work

<u>No.</u>	<u>Name</u>	<u>Salary</u>	<u>Where Employed</u>	<u>Nature of Work</u>
75	F.L. Goll	\$1200	Lab't'y Soil Bacteriology	Assists in investigations of nitrogen-fixing bacteria and water purification.
	Agnes Quirk	\$1200	Lab't'y Plant Pathology	Makes culture media; looks after apparatus & chemicals, etc.
	Adeline Ames	\$1200	Cotton & Truck Crop Dis.	Assists in plant disease survey work.
76	G.W. Morrison	\$1000	Grain Standardization	Stenography and typewriting; general clerical work.
	L.B. Zupoleon	\$1000	Farm Management	Stenography and typewriting.
	Frances T. Field	\$1000	" "	Stenography and typewriting.
77	S.L. Keese	\$1000	Plant Life History Inv.	Photographic work; seed germination; curing for specimens.
	F.P. Smith	\$1000	Bureau Library	Indexing agricultural literature in branch library.
	E.F. Sirrone	\$1000	Seed Laboratory	In charge of testing seeds for mechanical purity.
	J.H. Moss	\$1000	" "	Testing seeds for germination.
	L.M. Jeffers	\$1000	Grain Standardization	In charge of interstate transportation investigations; traveling from corn belt of Illinois to New Orleans, following shipments of corn, taking temperatures, etc.
	L.S. Merick	\$1000	Seed Laboratory	Testing seeds for mechanical purity.
78	C.L. Foubert	\$1000	Cotton & Tobacco Inv's	Assists in chemico-physiological investigations of tobacco.
79	L. T. Leonard	\$1000	Lab't'y Soil Bacteriology	Makes culture media; does miscellaneous inoculation, etc.
80	C.W. Adams	\$900	Alkali & Drought Inv's	Stenography and typewriting; general office work.
	A.M. Prentiss	\$900	Gardens and Grounds	Stenography and typewriting; clerical work.
	Elsie Vunaant	\$900	Farmers' Coop. Dem. Work	Stenography and typewriting.
	E.M. Snyder	\$900	" " " "	Stenography and typewriting.
	F.O. Wallachlaeger	\$900	Farm Management	Stenography and Typewriting.
	E.D. Carmack	\$900	" "	Stenography and typewriting.
	Artridge Belt	\$900	" "	Draws plans of farm buildings; stenography and typewriting.
	L.B. Rose	\$900	Bionomic Investigations	Stenography and typewriting.
	W.R. Humphries	\$900	Farm Management	Stenography and typewriting.
81	A.F. Sievers	\$900	Drug Plant Investigations	Lemon-curing problems; investigations of lemon waste.
82	C.L. Feldkamp	\$900	Farm Management	Making a comprehensive index of agricultural information.
	E.M. Savage	\$900	Plant Life History Inv.	Propagation and hybridization of citrus fruits.
83	E.S. Doyle	\$840	Seed Laboratory	Testing Seeds for mechanical purity.
	Zoe B. Ford	\$840	" "	Testing seeds for mechanical purity.
	B.C. Hite	\$840	" "	Testing seeds for mechanical purity.
84	P.B. Graeff	\$840	Office of Horticulturist	Stenography and typewriting.
85	J.M. Hammerly	\$840	Corn Investigations	Caring for specimens; other skilled labor.
86	Thomas Lee	\$720	Gardens and Grounds	Gardening and general labor.
87	F.P. Hardenstein	\$720	Farmers' Coop. Dem. Work.	Clerical work.
88	A.J. Hodges	\$720	Office of Chief	Watchman.
89	Wm. Seifriz	\$720	Physical Laboratory	Conducting electro-culture experiments on Arlington Farm.
90	W.L. Schmitt	\$720	Taxonomic Investigations	Mounting specimens; collecting herbarium material.
	Blanche Russ	\$720	Seed Laboratory	Testing seeds for mechanical purity.
	Helen H. Henry	\$720	Seed Laboratory	Testing seeds for mechanical purity.
	Ethel M. Ely	\$720	Seed Laboratory	Testing seeds for mechanical purity.
	Lucile Goodloe	\$720	Taxonomic Investigations	Mounting botanical specimens.
	Ruby J. Tiller	\$720	Lab't'y Plant Pathology	Making cultures; general assistant in laboratory.
91	Lola M. Adams	\$720	Sugar Beet Investigations	General laboratory helper; makes culture media, etc.
	H. Thompson	\$720	Gardens and Grounds	General labor in caring for grounds.
92	T.J. Bias	\$660	Office of Chief	Janitor service; general labor.
93	M.J. Whitmore	\$600	Farmers' Coop. Dem. Work	Typewriting.
	B.K. Harrison	\$600	" " " "	"
94	Marie Goodloe	\$600	Fiber Investigations	Testing strength of cotton fibers.





No.	Name	Salary	Where Employed	Nature of Work
58	C.W. Warburton	\$1600	Grain Investigations	In charge of oat investigations.
59	W.A. Pock	\$1500	Farm Management	In charge of farm economics; study of farm accounts.
60	F.H. Hillman	\$1500	Seed Laboratory	In charge of seed herbarium; pure seed investigations.
61	F.B. Headley	\$1500	Western Agri. Extension	Supervises work on experimental farms conducted by W. Agri. Ex.
	J. S. Cotton	\$1500	Farm Management	Studies of farm practice in production of forage for cattle and sheep and use of sugar beet pulp as food for same animals.
	J.S. Cates	\$1500	" "	Studies of farm practices with reference to tillage and the eradication of weeds.
	E.B. Brown	\$1500	Corn Investigations	Assists in corn investigations; sweet corn breeding.
62	O.F. Sillig	\$1500	Plant Life History Inv.	Makes translations; handles correspondence in foreign languages.
63	Edward C. Johnson	\$1400	Grain Investigations	In charge of cereal disease work.
64	H.B. Derr	\$1400	" "	Work on extension, cultivation, and improvement of barleys.
65	Frank Rabak	\$1400	Drug Plant Investigations	Laboratory investigations of drug plants & volatile oils.
66	James F. Brewer	\$1400	Lab't'y of Plant Pathology	Makes drawings, water color paintings, and photographs of pathological subjects.
67	L.H. Davenport	\$1400	Cotton & Tobacco Inv's	In charge of office work.
68	L.H. Harter	\$1400	Cotton & Truck Crop Dis.	Assists in investigations of truck crop diseases.
69	P.L. Ricker	\$1400	Taxonomic Investigations	Bibliographical and monographic work.
	Florence Hedges	\$1400	Lab't'y Plant Pathology	Identification of diseased specimens; study bacteriological diseases, etc.
	J.R. Johnston	\$1400	" " "	Investigations of diseases of plants in laboratory and field; study of coconut bud rot and remedy for same.
	Walter Fischer	\$1400	For. Seed & Plant Int.	Looks after distribution of introduced seeds and plants.
	H.A. Whittaker	\$1400	Lab'ty. Soil Bacteriology	Work in connection with farm water supplies.
	H.B. McClure	\$1400	Study of farm practices	Study of farm practices relating especially to hay and hay making
	V.K. Charles	\$1400	Pathological Collections	Identifies diseased material from correspondents, etc.
	J.W. McLane	\$1400	Physical Laboratory	Nitrification studies; field work in connection with dry-land farming investigations.
	Julia K. Pearce	\$1400	" "	Charge routine office work; assists in determinations of various factors governing plant growth.
70	A.W. McKay	\$1200	Fld. Inv's in Pomology	Storage investigations; work on grapes, apples, & citrus fruits.
71	F.M. McLaughlin	\$1200	Farmers' Coop. Dem. Work	Charge of financial part of the Demonstration work.
	H.W. Barber	\$1200	" " " "	Handles mail received in connection with Demonstration work, personally answering a large amount of routine mail.
72	R. McLennan	\$1200	Dept. Greenhouses	Propagation and care of plants under experimentation.
73	B.C. Wheeler	\$1200	Physical Laboratory	Construction, alteration, & repair of physical instruments.
74	Agnes Chase	\$1200	Taxonomic Investigations	Collecting, identifying, describing species of grass; making drawings of spikelets, etc., in preparation of a manual of grasses.
	Nellie A. Brown	\$1200	Sugar Beet Invest'ns	Laboratory studies of diseases of sugar beet & other plants.
	W.F. Fletcher	\$1200	Fld. Inv's in Pomology	Coordinating information in regard to topographic features and the behavior of varieties of fruits.
	Anna K. Wood	\$1200	Diseases of Orchard Fruits	Laboratory studies of diseases of small fruits.
	W.L. Goss	\$1200	Seed Laboratory	Charge of work of testing seeds for germination.
	E.R. Allen	\$1200	Lab't'y of Soil Bacteriology	General assistance in work on soil bacteriology & water purification.
	Clara O. Jamieson	\$1200	Sugar Beet Investigations	Laboratory work on diseases of sugar beets & other plants.
	Lucia McCulloch	\$1200	Lab't'y of Plant Pathology	Assists in identification of diseased specimens, etc.
	Clara Haase	\$1200	Diseases of Orchard Fruits	Laboratory work in connection with diseases of fruits.
	W.W. Gilbert	\$1200	Cotton & Truck Crops Dis.	Assists in investigating diseases of pea, leaf blight of carrots, root disease of radishes, watermelon blight, etc.
	J.C. Beavers	\$1200	Farm Management	Study of farm practices with reference to soil fertility.
	L.W. Ellis	\$1200	" "	Study of farm equipment.
	H.R. Cox	\$1200	" "	Study of effect of tillage on weeds and grasses; improved methods of tillage to overcome effects of boll weevil.
	C.B. Doyle	\$1200	Bionomic Investigations	Acclimatizing new varieties of cotton and corn suited to the weevil infested district of Southwest.







Nature of Work

No.	Name	Salary	Where Employed	Nature of Work
28	E.H. Mathewson	\$2250	Cotton & Tobacco Inv'ns	Associate supervision of tobacco investigations.
29	David Griffiths	\$2250	Farm Management	Charge of cactus and range investigations.
30	J.W.T. Duvel	\$2250	Grain Standardization	Conducting laboratory investigations on grading of grains.
31	D.N. Shoemaker	\$2000	In charge of cotton breeding	investigations.
32	C.D. Marsh	\$2000	Drug Plant Investigations	Conducts field experiments on poisonous plants with special reference to the loco weed.
	S.J. Dennis	\$2000	Fld. Inv'ns in Pomology	Handles refrigeration features of fruit storage work.
33	H.P. Gould	\$2000	" " " "	Fruit district investigations; adaptation of fruit varieties.
	L.S. Tenny	\$2000	" " " "	Work on fruit transportation and storage; prevention of decay.
33	S.C. Mason	\$2000	Plant Life History Inv'no	Investigations of dry-land tree crops.
34	Haven Metcalf	\$2000	Lab't'y of Forest Pathology	Investigations of diseases of forest trees and woods; in charge.
35	C.J. Brand	\$2000	Plant Life History Inv'ns	Life history investigations of alfalfa and clover.
36	C.R. Ball	\$2000	Grain Investigations	Investigations of grain sorghums.
37	G.N. Collins	\$2000	Bionomic Investigations	Introduction of cotton, corn, rubber, cacao, & other tropical plants.
	F.L. Lewton	\$2000	" "	Work on acclimatization and improvement of cottons more resistant to weevils.
38	D.A. Bredie	\$2000	Farm Management	In general charge of work in farm management districts.
39	C.B. Smith	\$2000	" "	In charge of special phases of farm practice; the commercial production of seed, etc.
40	C.E. Chambliss	\$1800	Grain Investigations	In charge of rice investigations.
	W.W. Stockberger	\$1800	Drug Plant Investigations	Laboratory and field investigations of hop production.
	G.L. Stewart	\$1800	Office of Horticulturist	Investigations of truck crops; cultivating, harvesting, etc.
41	J.B. Norton	\$1800	Cotton & Tobacco Inv'ns	Assists in tobacco breeding work; study of cover crops for tobacco lands.
42	G.G. Hedgecock	\$1800	Lab't'y Forest Pathology	Investigations of crown gall and hairy root diseases of the apple, grape, etc.; diseases of coniferous & other woods.
43	F.W. Patterson	\$1800	Pathological Collections	Mycologist in charge of pathological collections.
44	D.E. Stephens	\$1800	Grain Investigations	Executive Assistant to the Cerealists; charge routine work.
	J.W. Froley	\$1800	Farm Management	Charge routine office work. Executive Assistant.
45	Alice Henkel	\$1800	Drug Plant Investigations	Collects information on drug plants for publication; reads proof on publications of office; prepares replies to inquiries.
46	C.P. Hartley	\$1800	Corn Investigations	In charge of corn breeding investigations.
47	W.E. Safford	\$1800	Taxonomic Investigations	Investigation of economic plants of Mexico.
48	W.F. Wight	\$1800	" "	In charge of economic Herbarium.
49	W.R. Beattie	\$1800	Office of Horticulturist	Truck crop investigations; work on peanut industry.
50	G.W. Hoeford	\$1800	Fld. Inv'ns in Pomology	Work on fruit marketing, transportation & storage investigations.
51	G.A. Billings	\$1800	Farm Management	Study of Crop systems; management of dairy farms.
52	W.H. Ragan	\$1600	Pomological Collections	Revising and compiling the nomenclature of fruits for publication.
	Albert Mann	\$1600	Foreign Seed & Plant Intro.	In charge of barley brewing investigations.
53	O.H. Gates	\$1600	Office of Solicitor	Detailed to Solicitor for work as law clerk.
54	J.A. Ferrall	\$1600	Plant Life History Inv.	In charge of routine office work; stenography & typewriting.
55	Carrie Harrison	\$1600	Office of Assistant Chief	Collecting information on tanning industry; assists on work on denatured alcohol.
56	T.R. Robinson	\$1600	Lab't'y Soil Bacteriology	Conducts legume inoculation experiments; culture distribution, et
	C.H. Kyle	\$1600	Corn Investigations	Producing improved strains of corn in the Southeast United State
57	W.W. Garner	\$1600	Cotton & Tobacco Inv'ns	Conducting chemico-physiological investigations in tobacco breed
	J.O. Bels	\$1600	Physical Laboratory	Assists in physical determinations governing plant growth.





STATEMENT SHOWING NATURE OF WORK OF OFFICERS AND EMPLOYEES ON THE ROLL FOR GENERAL EXPENSES, BUREAU OF PLANT INDUSTRY

In Washington:

No.	Name	Salary	Where Employed	Nature of Work
1	A.F. Woods	\$3500	Office of Assistant Chief	Administrative, executive & scientific; ass't chief of Bureau.
2	W.J. Spillman	\$3500	Farm Management	In charge of Farm Management Investigations.
3	G.B. Brackett	\$3000	Pomological Collections	In charge of identification, description, and collection of fruit varieties and dissemination of information in regard to same.
	W.A. Taylor	\$3000	Fld. Invest'ns in Pomology	In charge of field investigations; fruit marketing and experimental shipments; pecan investigations.
	G.H. Powell	\$3000	" " " "	Associate supervision of field investigations; fruit transportation and storage; prevention of fruit decay, etc.
4	N.A. Cobb	\$3000	Crop Technology	In charge of work on development of improved apparatus and methods for dry-land agriculture, grain and cotton standardization, etc.
	J.D. Shanahan	\$3000	Grain Standardization	In charge of grain standardization; general supervision of laboratories at chief grain centers of the United States.
5	F.V. Coville	\$3000	Taxonomic Investigations	In charge of taxonomic Investigations.
6	L.C. Corbett	\$3000	Office of Horticulturist	In charge of horticultural work including supervision of Arlington Farm.
7	E.F. Smith	\$3000	Lab't'y of Plant Pathology	In charge of Laboratory; identification of diseased specimens; study of bacteriological diseases, etc.
8	W.T. Swingle	\$3000	Plant Life History Inv'ns	In charge of investigations. Study of date palm, pistache nut, etc.
9	M.A. Carleton	\$3000	Grain Investigations	In charge of grain investigations; improvement of wheat, cereals, rice.
10	S.A. Knapp	\$3000	Farmers' Coop. Dem. Work	In charge of Farmers' Cooperative Demonstration Work.
11	R. H. True	\$2750	Drug Plant Invest'ns	Charge of drug, poisonous plant, medicinal plant, and tea inv'ns.
	A.D. Shamel	\$2750	Cotton & Tobacco Invest'ns	Charge of tobacco investigations; work on potatoes, asparagus, etc.
12	M.B. Waite	\$2750	Orchard Fruit Disease Inv'ns	In charge of investigations of orchard fruit diseases; pear blight, peach yellows, little peach disease, etc.
	C.O. Townsend	\$2750	Sugar Beet Investigations	In charge of sugar beet investigations; production of single germ seed.
13	E.C. Chilcott	\$2750	Dry-Land Agriculture	In charge of dry-land agriculture investigations.
14	O.F. Cook	\$2750	Bionomic Investigations	In charge of bionomic investigations of tropical & subtropical plants.
15	L.J. Briggs	\$2750	Physical Laboratory	In charge of investigations of physical and physiological factors affecting plant growth.
16	L.H. Dewey	\$2500	Fiber Plant Investigations	In charge of fiber plant investigations.
17	C.S. Scofield	\$2500	Western Agri. Extension	Extension of profitable agriculture into regions now unproductive.
18	T.H. Kearney	\$2500	Alkali & Drought Invest'ns	In charge of investigations with respect to the alkali and drought resistance of various plants.
19	C.L. Shear	\$2500	Orchard Fruit Disease Inv.	Charge of investigations of diseases of small fruits; cranberries, grape, etc.
20	A.S. Hitchcock	\$2500	Taxonomic Investigations	Study of economic grasses of world; preparation of a manual of American grasses.
21	F. Lamson-Scribner	\$2500	Office of Chief	Supervision and preparation of exhibits of the Department for the Alaska-Yukon Exposition at Seattle.
22	W.E. Chambers	\$2400	Crop Technology	Conducting laboratory work in grain and cotton standardization.
23	W.M. Scott	\$2250	Orchard Fruit Disease Inv.	In charge of orchard spraying demonstrations.
	W.A. Orton	\$2250	Cotton & Truck Crop Diseases	In charge of investigations of diseases of cotton & truck crops.
24	K.F. Kellerman	\$2250	Lab't'y of Soil Bacteriology	In charge of soil bacteriology and water purification investigations.
25	G.C. Huesmann	\$2250	Fld. Invest'ns in Pomology	Engaged in viticultural investigations.
26	W.M. Jardine	\$2250	Grain Investigations	In charge of experiments with dry-land cereals.
27	Edgar Brown	\$2250	Seed Laboratory	Charge of laboratory investigations of vitality, of seeds; determination of adulteration, etc.



Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>General Expenses, Bureau of Plant Industry—Continued.</i>							
Pomology—							
Field investigations .....	\$65,706						
Pomological collections .....	7,604						
Horticulture—							
Arlington experimental farm and truck crop investigations .....	39,255						
Department greenhouses, gardens, and grounds .....	39,410						
Field crops—							
Grain investigations.....	51,683						
Tobacco investigations .....	38,500						
Bionomic investigations of cotton and corn..	17,989						
Cotton breeding investigations.....	18,500						
Corn investigations.....	13,531						
General plant-breeding investigations .....	7,791						
Sugar beet investigations .....	24,295						
Work in semiarid West—							
Dry land agriculture investigations.....	32,406						
Western agricultural extension .....	37,100						
Alkali and drouth resistant plant-breeding investigations .....	17,911						
Physical laboratory and field investigations..	15,513						
Farm management investigations.....	137,114						
Farmers' cooperative demonstration work.....	151,000						
Grain standardization.....	52,440						
Plant life history investigations.....	27,841						
Soil bacteriology and water purification investigations .....	17,717						
Drug plant, poisonous plant, and tea culture investigations.....	43,422						
Crop technology, cotton standardization, and fiber investigations.....	25,530						
Seed laboratory.....	26,373						
Taxonomic and range investigations .....	18,250						
Miscellaneous testing of new and rare plants....	25,756						
Additional experimental and demonstration work on the reclamation projects in the West in cooperation with the United States Reclamation Service .....	50,000						
Total .....	1,127,006						

NOTE 3.—Salaries of plant pathologists, physiologists, pomologists, botanists, experts, special agents, laborers, etc., carried on the lump fund named below on August 15, 1908.

GENERAL EXPENSES, BUREAU OF PLANT INDUSTRY.	
In Washington—	
1 One pathologist and physiologist, and assistant chief of bureau .....	\$3,500.00
2 One agriculturist .....	3,500.00
3 Three pomologists, at \$3,000 each.....	9,000.00
4 Two crop technologists, at \$3,000 each.....	6,000.00
5 One botanist.....	3,000.00
6 One horticulturist .....	3,000.00
7 One pathologist.....	3,000.00
8 One physiologist.....	3,000.00
9 One cerealist .....	3,000.00
10 One special agent.....	3,000.00
11 Two physiologists, at \$2,750 each .....	5,500.00
12 Two pathologists, at \$2,750 each .....	5,500.00
13 One agriculturist .....	2,750.00
14 One bionomist.....	2,750.00
15 One physicist .....	2,750.00
16 One botanist.....	2,500.00
17 One agriculturist .....	2,500.00
18 One physiologist.....	2,500.00
19 One pathologist.....	2,500.00
20 One systematic agrostologist .....	2,500.00
21 One special agent and agrostologist .....	2,500.00
22 One expert .....	2,400.00
23 Two pathologists, at \$2,250 each .....	4,500.00
24 One physiologist.....	2,250.00
25 One pomologist.....	2,250.00
26 One agronomist .....	2,250.00
27 One botanist.....	2,250.00
28 One crop technologist .....	2,250.00
29 One assistant agriculturist.....	2,250.00
30 One assistant .....	2,250.00
31 Three experts, at \$2,000 each .....	6,000.00
32 Two pomologists, at \$2,000 each .....	4,000.00
33 One horticulturist .....	2,000.00
34 One pathologist.....	2,000.00
35 One physiologist.....	2,000.00
36 One agronomist.....	2,000.00
37 Two assistant botanists, at \$2,000 each.....	4,000.00
38 One assistant agriculturist.....	2,000.00
39 One assistant .....	2,000.00
40 Three experts, at \$1,800 each .....	5,400.00
41 One physiologist.....	1,800.00
42 One pathologist.....	1,800.00
43 One mycologist .....	1,800.00
44 Two executive assistants, at \$1,500 each.....	3,000.00
45 One clerk and executive assistant.....	1,800.00
46 One assistant physiologist .....	1,800.00
47 One assistant curator.....	1,800.00
48 One assistant botanist.....	1,800.00
49 One assistant horticulturist.....	1,800.00
50 One assistant pomologist .....	1,800.00
51 One assistant .....	1,800.00
52 Two experts, at \$1,600 each.....	3,200.00

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.		Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
			Vol. or R. S.	Page.	Sec.			
General Expenses, Bureau of Plant Industry—Continued.								
In Washington—Continued.								
53	One law clerk.....	\$1,600.00						
54	One clerk and executive assistant.....	1,600.00						
55	One botanical assistant.....	1,600.00						
56	Two assistant physiologists, at \$1,600 each.....	3,200.00						
57	Two assistants, at \$1,600 each.....	3,200.00						
58	One assistant agronomist.....	1,600.00						
59	One assistant agriculturist.....	1,500.00						
60	One assistant botanist.....	1,500.00						
61	Four assistants, at \$1,500 each.....	6,000.00						
62	One clerk-translator.....	1,500.00						
63	One pathologist.....	1,400.00						
64	One agronomist.....	1,400.00						
65	One expert.....	1,400.00						
66	One artist.....	1,400.00						
67	One clerk and executive assistant.....	1,400.00						
68	One assistant physiologist.....	1,400.00						
69	Nine assistants, at \$1,400 each.....	12,600.00						
70	One expert.....	1,200.00						
71	Two clerks, at \$1,200 each.....	2,400.00						
72	One gardener.....	1,200.00						
73	One mechanic.....	1,200.00						
74	Fourteen assistants, at \$1,200 each.....	16,800.00						
75	Three aids, at \$1,200 each.....	3,600.00						
76	Three clerks, at \$1,000 each.....	3,000.00						
77	Six assistants, at \$1,000 each.....	6,000.00						
78	One chemist aid.....	1,000.00						
79	One laboratory aid.....	1,000.00						
80	Nine clerks, at \$900 each.....	8,100.00						
81	One expert.....	900.00						
82	Two assistants, at \$900 each.....	1,800.00						
83	Three assistants, at \$840 each.....	2,520.00						
84	One clerk.....	840.00						
85	One skilled laborer.....	840.00						
86	One gardener.....	720.00						
87	One clerk.....	720.00						
88	One watchman.....	720.00						
89	One laboratory apprentice.....	720.00						
90	Six aids, at \$720 each.....	4,320.00						
91	Two laborers, at \$720 each.....	1,440.00						
92	One laborer.....	660.00						
93	Two clerks, at \$600 each.....	1,200.00						
94	One aid.....	600.00						
95	One charwoman.....	540.00						
96	One charwoman.....	480.00						
97	Two messengers, at \$480 each.....	960.00						
98	Two messenger boys, at \$360 each.....	720.00						
99	Nine charwomen, at \$240 each.....	2,160.00						
100	One collaborator.....	1.00						
101	Two gardeners, at \$60 per month, each.....	1,440.00						
102	Two laborers, at \$60 per month, each.....	1,440.00						
103	Three laborers, \$55 per month, each.....	1,980.00						
104	One assistant, at \$50 per month.....	600.00						
105	Four laborers, at \$50 per month, each.....	2,400.00						
106	One laborer, at \$45 per month.....	540.00						
107	One skilled laborer, at \$40 per month.....	480.00						
108	One messenger boy, at \$40 per month.....	480.00						
109	Two laborers, at \$40 per month, each.....	960.00						
110	One assistant, at \$30 per month.....	360.00						
111	One messenger boy, at \$25 per month.....	300.00						
112	Five plumbers, at \$1 per diem each (six months each).....	3,130.00						
113	One carpenter, at \$3.50 per diem.....	1,095.50						
114	One cabinetmaker, at \$3.50 per diem.....	1,095.50						
115	Ten carpenters, at \$3.50 per diem each (six months each).....	5,477.50						
116	Ten cabinetmakers, at \$3.50 per diem each (six months each).....	5,477.50						
117	Two painters, at \$3.50 per diem each (six months each).....	1,095.50						
118	Four plumbers' helpers, at \$2 per diem each (six months each).....	1,252.00						
119	Two laborers, at \$2 per diem each.....	1,252.00						
120	Three laborers, at \$1.75 per diem each.....	1,643.25						
Total.....		298,259.75						
Out of Washington—								
1	One crop technologist.....	2,500.00						
2	One expert.....	2,250.00						
3	One special agent.....	2,250.00						
4	One pathologist.....	2,000.00						
5	One pomologist.....	2,000.00						
6	One tobacco expert.....	2,000.00						
7	Two experts, at \$2,000 each.....	4,000.00						
8	Three special agents, at \$2,000 each.....	6,000.00						
9	Three experts, at \$1,800 each.....	5,400.00						
10	Three special agents, at \$1,800 each.....	5,400.00						
11	One agriculturist.....	1,800.00						
12	One assistant agriculturist.....	1,800.00						
13	One assistant horticulturist.....	1,800.00						
14	One assistant pathologist.....	1,800.00						
15	One assistant botanist.....	1,800.00						
16	Two assistants, at \$1,800 each.....	3,600.00						
17	Two special agents, at \$1,600 each.....	3,200.00						
18	One crop technologist.....	1,600.00						
19	Three assistant agriculturists, at \$1,600 each.....	4,800.00						
20	One crop technologist.....	1,600.00						
21	One expert.....	1,500.00						
22	One viticultural superintendent.....	1,500.00						
23	Three assistants, at \$1,500 each.....	4,500.00						



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>General Expenses, Bureau of Plant Industry—Continued.</i>							
<i>Out of Washington—Continued.</i>							
One tobacco expert.....					\$1,400.00		
Two farm superintendents, at \$1,400 each.....					2,800.00		
One assistant agronomist.....					1,400.00		
Ten assistants, at \$1,400 each.....					14,000.00		
One tobacco expert.....					1,200.00		
One expert.....					1,200.00		
One assistant agronomist.....					1,200.00		
Two gardeners, at \$1,200 each.....					2,400.00		
Two farm superintendents, at \$1,200 each.....					2,400.00		
Three special agents, at \$1,200 each.....					3,600.00		
Thirteen assistants, at \$1,200 each.....					15,600.00		
One clerk.....					1,080.00		
Eight special agents, at \$1,000 each.....					8,000.00		
One expert.....					1,000.00		
Seven assistants, at \$1,000 each.....					7,000.00		
Three assistants, at \$960 each.....					2,880.00		
One special agent.....					900.00		
Three assistants, at \$900 each.....					2,700.00		
Four aids, at \$900 each.....					3,600.00		
One expert.....					840.00		
One assistant.....					840.00		
One clerk.....					840.00		
One gardener.....					810.00		
One special agent.....					800.00		
One assistant.....					780.00		
One aid.....					720.00		
Two laborers, at \$720 each.....					1,440.00		
One special agent.....					700.00		
One special agent.....					600.00		
One gardener.....					600.00		
One skilled laborer.....					480.00		
Five collaborators, at \$300 each.....					1,500.00		
One collaborator.....					200.00		
Three special agents, at \$100 each.....					300.00		
Eighty-seven collaborators, at \$1 each.....					87.00		
One special agent, at \$225 per month.....					2,700.00		
Two special agents, at \$200 per month each.....					4,800.00		
One special agent.....					1,800.00		
One expert, at \$150 per month (4 months).....					600.00		
Seven special agents, at \$125 per month each.....					10,500.00		
Four special agents, at \$110 per month each.....					5,280.00		
Fourteen special agents, at \$100 per month each.....					16,800.00		
Seven special agents, at \$80 per month each.....					6,720.00		
One carpenter.....					900.00		
One expert.....					900.00		
Four aids, at \$75 per month each.....					3,600.00		
Forty-three special agents, at \$75 per month each (7 months each).....					22,575.00		
One expert, at \$70 per month.....					840.00		
One special agent, at \$63 per month.....					756.00		
Three special agents, at \$60 per month each.....					2,160.00		
Three experts, at \$60 per month each.....					2,160.00		
One laboratory aid.....					720.00		
Five laborers, at \$60 per month each.....					3,600.00		
One special agent, at \$55 per month.....					660.00		
Eight special agents, at \$50 per month each.....					4,800.00		
One expert, at \$50 per month.....					600.00		
One assistant, at \$50 per month.....					600.00		
Six laborers, at \$50 per month each.....					3,600.00		
Six laborers, at \$45 per month each.....					3,240.00		
Three laborers, at \$40 per month each.....					1,440.00		
Two special agents, at \$40 per month each.....					960.00		
One laborer, at \$37.50 per month.....					450.00		
Two laborers, at \$35 per month each.....					840.00		
One laborer, at \$32 per month.....					384.00		
Two laborers, at \$30 per month each.....					720.00		
One special agent, at \$30 per month.....					360.00		
One laborer, at \$25 per month.....					300.00		
One fence rider, at \$25 per month.....					300.00		
Eight collaborators, at \$25 per month each.....					2,400.00		
One special agent, at \$20 per month.....					240.00		
Three laborers, at \$18.75 per month each.....					675.00		
Five laborers, at \$15 per month each.....					900.00		
One collaborator, at \$15 per month.....					180.00		
Two collaborators, at \$10 per month each.....					240.00		
One special agent, at \$10 per month.....					120.00		
One junior laborer, at \$7.50 per month.....					90.00		
One collaborator, at \$5 per month.....					60.00		
One collaborator, at \$2 per month.....					24.00		
Twenty-three collaborators, at \$1 per month.....					276.00		
One laborer, at \$3 per diem.....					939.00		
Forty-seven collaborators, at \$3 per diem (not to exceed \$25 each).....					1,175.00		
Three laborers, at \$2.50 per diem.....					2,347.50		
One laborer, at \$2 per diem.....					626.00		
Twenty-one laborers, at \$1.50 per diem.....					9,859.50		
One laborer, at \$1 per diem.....					313.00		
Total.....					278,057.00		

*Purchase and Distribution of Valuable Seeds—*

For the purchase, propagation, testing, and distribution of valuable seeds, bulbs, trees, shrubs, vines, cuttings, and plants; all necessary office fixtures and supplies, fuel, transportation, paper, twine, gum, postal cards, gas, and electric current, official traveling expenses, and all necessary material and repairs for putting up and

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<p><i>Purchase and Distribution of Valuable Seeds—Continued.</i></p> <p>distributing the same; for rent and repairs and the employment of local and special agents, clerks, assistants, and other labor required, in the city of Washington and elsewhere, [two hundred and fifty-eight thousand] <i>two hundred and forty-three thousand six hundred and eighty</i> dollars, of which amount not less than [two hundred and two thousand] <i>one hundred and ninety-seven thousand six hundred and eighty</i> dollars shall be allotted for Congressional distribution. And the Secretary of Agriculture is hereby directed to expend the said sum, as nearly as practicable, in the purchase, testing, and distribution of such valuable seeds, bulbs, shrubs, vines, cuttings, and plants, the best he can obtain at public or private sale, and such as shall be suitable for the respective localities to which the same are to be apportioned, and in which same are to be distributed as hereinafter stated, and such seeds so purchased shall include a variety of vegetable and flower seeds suitable for planting and culture in the various sections of the United States. An equal proportion of five-sixths of all seeds, bulbs, shrubs, vines, cuttings, and plants, shall, upon their request, after due notification by the Secretary of Agriculture that the allotment to their respective districts is ready for distribution, be supplied to Senators, Representatives, and Delegates in Congress for distribution among their constituents, or mailed by the Department upon the receipt of their addressed franks, in packages of such weight as the Secretary of Agriculture and the Postmaster-General may jointly determine; Provided, however, That upon each envelope or wrapper containing packages of seeds the contents thereof shall be plainly indicated, and the Secretary shall not distribute to any Senator, Representative, or Delegate seeds entirely unfit for the climate and locality he represents, but shall distribute the same so that each Member may have seeds of equal value, as near as may be, and the best adapted to the locality he represents; Provided also, That the seeds allotted to Senators and Representatives for distribution in the districts embraced within the twenty-fifth and thirty-fourth parallels of latitude shall be ready for delivery not later than the tenth day of January; Provided also, That [all seeds, bulbs, plants, and cuttings herein allotted] <i>any portion of the allotments</i> to Senators, Representatives, and Delegates in Congress, remaining uncalled for on the first day of April shall be distributed by the Secretary of Agriculture, giving preference to those persons whose names and addresses have been furnished by Senators and Representatives in Congress and who have not before during the same season been supplied by the Department; And provided also, That the Secretary shall report, as provided in this Act, the place, quantity, and price of seeds purchased, and the date of purchase; but nothing in this paragraph shall be construed to prevent the Secretary of Agriculture from sending seeds to those who apply for the same. And the amount herein appropriated shall not be diverted or used for any other purpose but for the purchase, testing, propagation, and distribution of valuable seeds, bulbs, mulberry and other rare and valuable trees, shrubs, vines, cuttings, and plants; Provided further, That [fifty-six] <i>forty six</i> thousand dollars of which sum, or so much thereof as the Secretary of Agriculture shall direct, may be used to collect, purchase, test, propagate, and distribute rare and valuable seeds, bulbs, trees, shrubs, vines, cuttings, and plants from foreign countries or from our possessions for experiments with reference to their introduction into and cultivation in this country, [and the seeds, bulbs, trees, shrubs, vines, cuttings, and plants thus collected, purchased, tested, and propagated] <i>and same shall not be distributed generally</i> [included in general distribution], but shall be used for experimental tests, to be carried on with the cooperation of the agricultural experiment stations</p>	May 23, 1908	35	257-8	1		\$243,680.00	\$258,000.00

NOTE 1.—An apparent decrease of \$14,320, but deducting the places transferred to the statutory roll, amounting to \$4,320, the





29	M.M. Gilbert	\$540	Seed & Plant Introduction	Putting up and mailing small seed orders.
30	H.V. Faunce	\$540	Seed & Plant Introduction	General char work; cleans filters.
31	C. C. McConica	\$480	Seed & Plant Introduction	General labor in seed warehouse.
32	L.C. Rustine	\$420	Seed & Plant Introduction	General char work.
	Martha Brown	\$420	Seed & Plant Introduction	General char work.
33	B.R. Buck	\$1.50 day	Seed & Plant Introduction	General labor.
	M.J. Burns	\$1.50 "	"	"
	A. McAllister	\$1.50 "	"	"
	G.M. Posey	\$1.50 "	"	"
34	Susan B. Sipe	\$12 year	"	Collaborator in school garden work.
Out of Washington:				
1	F.M. Meyer	\$1600	Foreign Seed & Plant Int.	Foreign explorations in China to secure new seeds & plants.
2	W.D. Hills	\$1400	"	Foreign explorations in Japan to secure new seeds & plants.
3	H.E. Hanson	\$1500	"	Explorations in various countries to get forage and other plants for the Northwest United States.
4	A.B. Connor	\$1400	Chillicothe, Texas	Testing forage crops.
5	Roland McKee	\$1200	Chico, Calif.	Testing forage crops.
6	H.E. Juennemann	\$1200	Bellingham, Wash.	Experiments in bulb cultivation on Pacific Coast.
7	M.W. Evans	\$1080	Pullman, Wash.	In charge of work testing forage crops and grasses.
8	W.L. Cory	\$1000	McPherson, Kansas	Charge of cooperative grain experiments.
9	J.H. Tall	\$1000	Arlington, Va.	Vegetable testing work.
10	L. Van Der Linden	\$900	Bellingham, Wash.	Propagation of bulbs.
11	R.S. Beagles	\$900	Chico, Cal.	Supervising grading of land, irrigating systems, etc.
12	J.H. Allison	\$700	Ames, Iowa	Foreman of Plant Introduction Garden at Ames.
13	H. Steele	\$720	Pullman, Wash.	Manual labor, hoeing, weeding, digging, etc.
14	W.D. Dixon	\$600	Arlington, Va.	Driving team.
	A.L. Priest	\$600	"	"
15	Upton Galleher	\$600	"	Labor incident to vegetable testing work.
16	S. Cunningham	\$2 per day	Chico, Calif.	Labor on introduced seeds & plants.
	S.M. Cunningham	\$2 day	"	"
17	H. Mehrling	\$300 an.	Gotha, Fla.	Looks after introduced seeds & plants.
18	Wm. Kremers	\$240	Holland, Mich.	Testing American-grown sugar beets.
19	W.D. Benson	\$60 mo.	Seattle, Wash.	Looks after incoming seeds & plants from the Orient.
20	S.A. Beach	\$12 an.	Ames, Iowa	Supervises work of Plant Introduction Garden at Ames.
	L.H. Goddard	\$12 "	Ohio	Taking up details of our work on forage crops with the experimenters throughout Ohio.
21	O.W. Barrett	\$1 "	Portugal	Collecting seeds & plants for introduction into tropical America.
	R.C. Parker	\$1 "	Mukden, Manchuria	Furnishes Bureau with foreign seeds and plants.
	W.H. Tomhave	\$1 "	"	"



*[The text in this block is extremely faint and illegible. It appears to be a multi-column document, possibly a ledger or a list, with several lines of text per column. The content is too blurry to transcribe accurately.]*

STATEMENT SHOWING NATURE OF WORK OF OFFICERS AND EMPLOYEES ON THE ROLL FOR THE PURCHASE AND DISTRIBUTION OF VALUABLE

SEEDS, BUREAU OF PLANT INDUSTRY

In Washington:

<u>No.</u>	<u>Name</u>	<u>Salary</u>	<u>Where Employed</u>	<u>Nature of Work</u>
1	W.W. Tracy, Sr.	\$3000	Seed & Plant Introduction	In charge of vegetable variety trial work.
2	C.V. Piper	\$2750	Forage Crop Investigations	In charge of forage crop investigations.
3	David C. Fairchild	\$2750	Foreign Seed & Plant Intro.	Explorer in charge of foreign seed & plant introduction.
4	Lisle Morrison	\$2250	Seed & Plant Introduction	In general charge of seed and plant distribution.
	J.E.W. Tracy	\$2250	Seed & Plant Introduction	Supervises work of putting up Congressional seed; charge of the development of commercial sugar beet seed.
5	G.W. Oliver	\$2000	Greenhouses	In charge of propagation of plants under experimentation.
	C.F. Wheeler	\$2000	Taxonomic Investigations	Identifies miscellaneous plants, including weeds.
6	O.F. Jones	\$2000	Office of Chief of Bureau	Assists Chief of Bureau in Congressional Seed Work. Stenography and typewriting.
7	R.J. Whittleton	\$2000	Seed & Plant Introduction	Keeps a record of tobacco seed sent out.
8	J.M. Westgate	\$1800	Forage Crop Investigations	Alfalfa investigations; establishment of alfalfa on Atlantic Coast.
9	R.A. Oakley	\$1600	Forage Crop Investigations	Investigations of meadow and pasture grasses.
10	Nickolas Schmitz	\$1600	Forage Crop Investigations	Assists in introduction of clovers and alfalfas.
11	H.C. Skeels	\$1500	Seed & Plant Introduction	Charge of collection of seeds & plants of foreign origin.
12	C.A. Neal	\$1500	Seed & Plant Introduction	Looks after purity & vitality of forage crop and other seeds.
13	E.Q. Knight	\$1400	Seed & Plant Introduction	Charge of seed warehouse; receiving & sending out seed.
14	H.F. Nielsen	\$1400	Seed & Plant Introduction	Engaged in testing and breeding work with cowpeas, soybeans, etc.
	H.N. Vinall	\$1400	Forage Crop Investigations	Work on extension of grasses; distribution of new grasses.
15	R.A. Young	\$1200	Foreign Seed & Plant Intro.	Executive Assistant to Foreign Explorer.
16	Katherine Bort	\$1200	Seed & Plant Introduction	Seed testing work on forage crops.
17	W.J. Morse	\$1080	Forage Crop Investigations	Charge of testing grasses and forage plants at Arlington Farm.
18	Audrey Goss	\$1000	Foreign Seed & Plant Intro.	Works up explorers' notes; makes translations, etc.
19	F.F. Chisholm	\$1000	Foreign Seed & Plant Intro.	Looks after stock book of seeds & plants propagated at the plant introduction gardens; secures reports from experimenters.
	E. Goucher	\$1000	Foreign Seed & Plant Intro.	Propagation & testing of seeds & plants from foreign countries.
20	B.B. Holland	\$900	Seed & Plant Introduction	Keeps daily records of machine runs of vegetable and flower seed, in Congressional Seed Distribution.
21	J.F. Foley	\$900	Seed & Plant Introduction	Vegetable testing work on Arlington Farm.
22	S.J. Bergner	\$900	Foreign Seed & Plant Intro.	Keeps list of reliable experimenters who handle introductions.
23	E.L. Crandall	\$720	Seed & Plant Introduction	In charge of photographic work of Seed & Plant Introduction.
24	M.C. Kelley	\$720	Seed & Plant Introduction	Keeps watch of buildings.
25	F.C. Hall	\$720	Seed & Plant Introduction	General Labor in Seed Warehouse.
26	K.P. Ramsdell	\$660	Seed & Plant Introduction	Putting up and mailing small seed orders.
	E.H. Milstead	\$660	Seed & Plant Introduction	General labor in connection with seed distribution.
27	J.W. Olden	\$660	Gardens and grounds	General labor.
28	Mary S. Dulin	\$600	Seed Laboratory	Separating dodder from alfalfa seed, etc.



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<b>Purchase and Distribution of Valuable Seeds—Continued.</b>							
actual decrease is \$10,000, which is in that part of the fund set apart for the introduction of seeds and plants from foreign countries. This decrease is due to the fact that the present appropriation carried an increase for an agricultural exploration of Siberia in search of valuable seeds and plants for the northwestern United States, which exploration will be completed during the current fiscal year. The amount appropriated for Congressional seed distribution is unchanged.							
NOTE 2.—The titles of the principal items provided for above, and the approximate amounts of expenditure contemplated thereunder, are as follows:							
Foreign plant introduction:							
Introduction, propagation, and cooperative distribution of rare seeds and plants from foreign countries.....	\$46,000						
Forage crop investigations:							
Testing, propagation, and cooperative distribution of new and improved varieties of forage crop seed.....	31,000						
Congressional distribution:							
Regular Congressional distribution of vegetable, flower, and other seeds and plants.....	166,680						
Total.....	243,680						
NOTE 3.—Salaries of superintendents, botanists, experts, special agents, laborers, etc., carried on the lump fund named below on August 15, 1908.							
PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS.							
<i>In Washington—</i>							
One superintendent.....	\$3,000						
One agrostologist.....	2,750						
One agricultural explorer.....	2,750						
Two assistants, at \$2,250 each.....	4,500						
Two experts, at \$2,000 each.....	4,000						
One executive assistant.....	2,000						
One superintendent.....	2,000						
One assistant agrostologist.....	1,800						
One assistant agrostologist.....	1,600						
One expert.....	1,600						
One expert.....	1,500						
One assistant superintendent.....	1,500						
One assistant superintendent.....	1,400						
Two assistants, at \$1,400 each.....	2,800						
One assistant.....	1,200						
One aid.....	1,200						
One assistant.....	1,080						
One assistant.....	1,000						
Two experts, at \$1,000 each.....	2,000						
One inspector.....	900						
One assistant superintendent.....	900						
One aid.....	900						
One photographer.....	720						
One watchman.....	720						
One laborer.....	720						
Two laborers, at \$660 each.....	1,320						
One gardener.....	600						
One skilled laborer.....	600						
One skilled laborer.....	540						
One laborer.....	540						
One laborer.....	480						
Two laborers, at \$420 each.....	840						
Four temporary laborers, one month, at \$1.50 per diem each.....	156						
One collaborator.....	12						
Total.....	49,688						
<i>Out of Washington—</i>							
One agricultural explorer.....	1,600						
One agricultural explorer.....	1,400						
One agricultural explorer (6 months).....	1,500						
One assistant.....	1,400						
One assistant.....	1,200						
One assistant.....	1,200						
One gardener.....	1,080						
One assistant.....	1,000						
One assistant.....	1,000						
One expert.....	900						
One expert.....	900						
One special agent.....	900						
One expert.....	700						
One laborer.....	720						
Two teamsters, at \$600 each.....	1,200						
One laborer.....	600						
Two laborers, at \$2 per diem each (313 days each).....	1,252						
One collaborator.....	300						
One special agent.....	240						
One special agent.....	60						
Two collaborators, at \$12 each.....	24						
Three collaborators, at \$1 each.....	3						
Total.....	18,279						
Total for Bureau of Plant Industry, including statutory salaries.....						\$1,560,636.00	\$1,341,676.00

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

Estimates of appropriations required for the service of the fiscal year ending		References to Stats. at Large, or to Revised Statutes.			Estimated amt't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	Vol. or R. S.	Page.	Sec.			
FOREST SERVICE.							
Salaries, Forest Service—	Feb. 1, 1905	33	628	1-5	} \$35,000.00		
One forester, who shall be chief of bureau-----	May 23, 1908	35	258	1			
Note.—The following places have been dropped:							
One clerk.....	\$2,100						
One clerk.....	2,000						
Six clerks, class four (two of whom are transferred to the Division of Accounts and Disbursements).....	10,800						
Three clerks, at \$1,700 each.....	5,100						
One clerk, class three.....	1,600						
One clerk.....	1,500						
Two clerks, class two (one of whom is transferred to the Division of Accounts and Disbursements).....	2,800						
One clerk.....	1,300						
Eight clerks, class one.....	9,600						
Seven clerks, at \$1,100 each.....	7,700						
Ten clerks, at \$1,000 each.....	10,000						
Nineteen clerks, at \$800 each.....	15,200						
Twenty-seven clerks, at \$700 each.....	18,900						
Eighteen clerks, at \$600 each.....	10,800						
One draftsman.....	2,000						
Two draftsmen, at \$1,400 each.....	2,800						
Two draftsmen, at \$1,200 each.....	2,400						
Four draftsmen, at \$1,000 each.....	4,000						
One artist.....	1,000						
One photographer.....	1,400						
One photographer.....	1,200						
One photographer.....	1,000						
Four messengers, at \$720 each.....	2,880						
Two messengers, at \$700 each.....	1,400						
Three messengers, at \$600 each.....	1,800						
Three messengers, at \$400 each.....	1,200						
One carpenter.....	1,000						
One carpenter.....	720						
Three watchmen, at \$700 each.....	2,100						
One electrician.....	700						
Total.....	127,000						
One clerk (decrease of one, dropped as above) -----	Same acts-----					1,500.00	
One clerk-----	Submitted-----					1,320.00	
Two clerks, at \$1,260 each-----	do-----					2,520.00	
Four clerks, at \$1,200 each-----	do-----					4,800.00	
Five clerks, at \$1,080 each-----	do-----					5,400.00	
Eight clerks, at \$1,020 each-----	do-----					8,160.00	
Ten clerks, at \$960 each-----	do-----					9,600.00	
Seventeen clerks, at \$900 each (increase of five submitted) {	Feb. 1, 1905	33	628	1-5	} 15,300.00		
	May 23, 1908	35	258	1			
Four messengers, at \$660 each-----	Submitted-----					2,640.00	
Four messengers, at \$360 each-----	do-----					1,440.00	
Three watchmen, at \$840 each-----	do-----					2,520.00	
Note 1.—One clerk, at \$1,320, two clerks, at \$1,260 each, four							
						\$60,200.00	\$144,300.00

*NOTE 1.*—One clerk, at \$1,320, two clerks, at \$1,260 each, four clerks, at \$1,200 each, five clerks, at \$1,080 each, eight clerks, at \$1,020 each, ten clerks, at \$960 each, five clerks, at \$900 each, four messengers, at \$660 each, four messengers, at \$360 each, and three watchmen, at \$840 each, have been added, amounting to \$42,900. One hundred and thirty-six places have been dropped, as per note above, amounting to \$127,000, making an apparent decrease of \$84,100, but deducting two clerks of class four and one clerk of class two, aggregating \$5,000, transferred to the Division of Accounts and Disbursements for the purpose of making the administrative examinations of the accounts and disbursements of the Forest Service, the actual decrease is \$79,100. This decrease in the appropriation is made necessary by the change in the organization of the Forest Service under which six administrative districts will be established in the West. This occasions a reduction in the force of clerks in Washington, D. C., as the employees at the headquarters of the administrative districts will be paid from the lump fund for field expenses.

\$60,200.00      \$144,300.00



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<p><i>General Expenses, Forest Service—</i></p> <p>To enable the Secretary of Agriculture to experiment and to make and continue investigations and report on forestry, National Forests, forest fires, and lumbering, but no part of this appropriation shall be used for any experiment or test made outside the jurisdiction of the United States; <i>to advise the owners of woodlands as to the proper care of the same</i>; to investigate and test American timber and timber trees, and their uses, and methods for the preservative treatment of timber; to seek, through investigations and the planting of native and foreign species, suitable trees for the treeless regions; to erect necessary buildings: Provided, That the cost of any building erected shall not exceed five hundred dollars; to pay all expenses necessary to protect, administer, and improve the National Forests; [and hereafter officials of the Forest Service designated by the Secretary of Agriculture shall, in all ways that are practicable, aid in the enforcement of the laws of the States or Territories with regard to stock, for the prevention and extinguishment of forest fires, and for the protection of fish and game, and with respect to National Forests, shall aid the other Federal Bureaus and Departments on request from them, in the performance of the duties imposed on them by law] to ascertain the natural conditions upon and utilize the National Forests, and the Secretary of Agriculture may, in his discretion, permit timber and other forest products cut or removed from the National Forests, except the Black Hills National Forest in South Dakota, to be exported from the State, Territory, or the district of Alaska in which said forests are respectively situated: Provided, That the exportation of dead and insect-infested timber only from said Black Hills National Forest shall be allowed until such time as the Forester shall certify that the ravages of the destructive insects in said forests are practically checked, but in no case after July first, nineteen hundred and ten; to transport and care for fish and game supplied to stock the National Forests or the waters therein; to employ fiscal and other agents, clerks, assistants, and other labor required in practical forestry and in the administration of National Forests, in the District of Columbia [or] and elsewhere; [and hereafter advances of money under any appropriation for the Forest Service may be made to the Forest Service and by authority of the Secretary of Agriculture to chiefs of field parties for fighting forest fires in emergency cases, who shall give bond under such rules and regulations and in such sum as the Secretary of Agriculture may direct, and detailed accounts arising under such advances shall be rendered through and by the Department of Agriculture to the Treasury Department] to collate, digest, report, and illustrate [print] the results of experiments and investigations made by the Forest Service; to purchase law books to an amount not exceeding five hundred dollars, necessary supplies, apparatus, and office fixtures, and technical books and technical journals for officers of the Forest Service stationed outside of Washington; to pay freight, express, telephone, and telegraph charges; for electric light and power, fuel, gas, ice, washing towels, and official traveling and other necessary expenses; and for rent in the District of Columbia and elsewhere, [three million one hundred and fifty-one thousand nine hundred] <i>four million nine hundred and fifty-six thousand three hundred and nineteen</i> dollars: Provided, That no part of the money herein appropriated shall be used to pay the transportation or traveling expenses of any forest officer or agent except he be traveling on business directly connected with the Forest Service and in furtherance of the works, aims, and objects specified and authorized in and by this appropriation: Provided further, that no part of this appropriation shall be paid or used for the purpose of paying for in whole or in part the preparation or publication of any newspaper or magazine article, but this shall not prevent the giving out to all persons without discrimination, including newspaper</p>							

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

Estimates of appropriations required for the service of the fiscal year ending June 30, 1909.		References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.																												
General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	Vol. or R. S.	Page.	Sec.																															
<p><i>General Expenses, Forest Service—Continued.</i></p> <p>and magazine writers and publishers, of any facts or official information of value to the public.</p> <p>【Total for salaries and general expenses, Forest Service, three million two hundred and ninety-six thousand two hundred dollars】</p>	May 23, 1908	35	259	1	-----	\$4,956,319.00	\$3,151,900.00																												
<p>NOTE 2.—An apparent increase of \$1,804,419 is submitted, but deducting the net decrease in places omitted from the statutory roll, amounting to \$79,100, and which hereafter will have to be provided for on the lump fund roll for general expenses, the actual increase is \$1,725,319. This appropriation is shown in detail in the back part of the Book of Estimates, see Appendix G, and is required to render more effective the proper protection of the National Forests from fire, and to further facilitate their use to the people. The words "to advise the owners of woodlands as to the proper care of the same" have been inserted. The bill passed the House with these words included (Cong. Record of March 30, 1908, pages 4265 and 4266), but they were omitted from the engrossed copy by clerical error.</p>																																			
<p><i>Improvement of the National Forests—</i></p> <p>【And】 There is hereby appropriated, out of any money in the Treasury not otherwise appropriated, the sum of 【six hundred thousand】 <i>nine hundred and seventy-four thousand nine hundred and eighty-one</i> dollars, to be expended as the Secretary of Agriculture may direct, for the construction and maintenance of roads, trails, bridges, fire lines, telephone lines, cabins, fences, and other permanent improvements necessary for the proper and economical administration, protection, and development of the National Forests</p>	May 23, 1908	35	260	1	-----	974,981.00	600,000.00																												
<p>NOTE 3.—An increase of \$371,981 is submitted. This appropriation is explained in the back part of the Book of Estimates (see Appendix G.) This is required for the construction and maintenance of roads, trails, bridges, fire lines, telephones, and other permanent improvements urgently needed for the protection of the National Forests and to develop their usefulness to the people.</p>																																			
<p>【That hereafter twenty-five per centum of all money received from each forest reserve during any fiscal year, including the year ending June thirtieth, nineteen hundred and eight, shall be paid at the end thereof by the Secretary of the Treasury to the State or Territory in which said reserve is situated, to be expended as the State or Territorial legislature may prescribe for the benefit of the public schools and public roads of the county or counties in which the forest reserve is situated: Provided, That when any forest reserve is in more than one State or Territory or county the distributive share to each from the proceeds of said reserve shall be proportional to its area therein.】</p>																																			
<p>NOTE 4.—Taking the estimates of the Forest Service as a whole, namely, \$5,991,500, the principal items of expenditure and the amounts contemplated thereunder are as follows:</p> <table><tr><td>Washington offices .....</td><td>\$490,460</td></tr><tr><td>National forests—</td><td></td></tr><tr><td>  District 1 .....</td><td>\$987,125</td></tr><tr><td>  District 2 .....</td><td>867,812</td></tr><tr><td>  District 3 .....</td><td>758,571</td></tr><tr><td>  District 4 .....</td><td>815,650</td></tr><tr><td>  District 5 .....</td><td>876,090</td></tr><tr><td>  District 6 .....</td><td>815,493</td></tr><tr><td>                                    </td><td>5,150,741</td></tr><tr><td>Purchase of supplies and general supply depot .....</td><td>350,299</td></tr><tr><td>                                    </td><td>5,991,500</td></tr><tr><td>Total for salaries (statutory and lump fund) .....</td><td>\$3,805,352</td></tr><tr><td>Total for miscellaneous expenses .....</td><td>2,186,148</td></tr><tr><td>                                    </td><td>5,991,500</td></tr></table>								Washington offices .....	\$490,460	National forests—		District 1 .....	\$987,125	District 2 .....	867,812	District 3 .....	758,571	District 4 .....	815,650	District 5 .....	876,090	District 6 .....	815,493		5,150,741	Purchase of supplies and general supply depot .....	350,299		5,991,500	Total for salaries (statutory and lump fund) .....	\$3,805,352	Total for miscellaneous expenses .....	2,186,148		5,991,500
Washington offices .....	\$490,460																																		
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	5,991,500																																		
<p>The expenditures covered by the detailed estimates fall into the following four classes:</p> <table><tr><td></td><td>Approximate amount required.</td></tr><tr><td>1. Administration (for the general administration of the Forest Service) .....</td><td>\$127,860</td></tr><tr><td>2. Use (for the use, maintenance, and protection of the National Forests, 167,027,319 acres at 2.73 cents per acre) .....</td><td>\$4,558,949</td></tr><tr><td>3. Improvements (for the construction and repair of permanent improvements upon the National Forests) .....</td><td>974,981</td></tr><tr><td>                                    </td><td>5,533,930</td></tr></table>									Approximate amount required.	1. Administration (for the general administration of the Forest Service) .....	\$127,860	2. Use (for the use, maintenance, and protection of the National Forests, 167,027,319 acres at 2.73 cents per acre) .....	\$4,558,949	3. Improvements (for the construction and repair of permanent improvements upon the National Forests) .....	974,981		5,533,930																		
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1. Administration (for the general administration of the Forest Service) .....	\$127,860																																		
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*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>Improvement of the National Forests—Continued.</i>							
4. <i>Studies</i> (for studies necessary for the use and protection of the National Forests and of other forests in the United States, and to promote economy in the use of forest products, and the distribution of their results) .....						\$329,710	
Total .....						5,991,500	
NOTE 5.—Salaries of foresters, experts, inspectors, agents, examiners, clerks, etc., carried on the lump fund named below on August 15, 1908.							
GENERAL EXPENSES, FOREST SERVICE.							
<i>In Washington—</i>							
One associate forester .....						\$3,500	
One assistant forester .....						3,200	
Two assistant foresters, at \$3,000 each .....						6,000	
One assistant forester .....						2,800	
One assistant forester .....						2,700	
One assistant forester .....						5,000	
Two assistant foresters, at \$2,500 each .....						2,300	
One assistant forester .....						2,000	
One assistant forester .....						2,200	
One inspector of grazing .....						1,800	
One inspector of grazing .....						1,200	
One inspector of grazing .....						3,000	
One lumberman .....						1,900	
One lumberman .....						10,800	
Six lumbermen, at \$1,800 each .....						3,400	
Two lumbermen, at \$1,700 each .....						1,600	
One lumberman .....						1,500	
One lumberman .....						2,200	
One chief of control .....						2,200	
One chief of silvics .....						2,200	
One associate chief of management .....						2,200	
One assistant chief of management .....						2,200	
One chief of management .....						2,000	
One assistant chief of organization .....						2,200	
One chief of organization .....						1,300	
One assistant chief of timber sales .....						2,000	
One chief of timber sales .....						1,900	
One chief of planting .....						1,800	
One chief of computing .....						1,800	
One chief of publications .....						1,800	
One chief of wood preservation .....						1,800	
One chief of wood utilization .....						2,000	
One assistant chief of wood utilization .....						1,700	
One chief of research .....						1,700	
One chief, railroad and mine timbers .....						1,600	
One chief, farm timbers .....						1,600	
One chief, national forest timbers .....						1,600	
One assistant chief of occupancy .....						1,500	
One chief of boundaries .....						1,600	
One chief of reconnaissance, management .....						1,800	
One chief, cooperation, extension .....						1,500	
One chief, reconnaissance, extension .....						1,400	
One chief, compilation .....						2,200	
One chief, extension .....						2,400	
One chief, engineering .....						2,000	
One assistant chief engineer .....						2,500	
One specialist in wood preservation .....						2,100	
One forest assistant .....						3,600	
Two forest assistants, at \$1,800 each .....						3,400	
Two forest assistants, at \$1,700 each .....						9,600	
Six forest assistants, at \$1,600 each .....						10,500	
Seven forest assistants, at \$1,500 each .....						21,000	
Fifteen forest assistants, at \$1,400 each .....						10,400	
Eight forest assistants, at \$1,300 each .....						18,000	
Fifteen forest assistants, at \$1,200 each .....						28,000	
Twenty-eight forest assistants, at \$1,000 each .....						300	
One forest assistant .....						3,000	
One forest expert .....						3,600	
Two forest experts, at \$1,800 each .....						6,000	
Four forest experts, at \$1,500 each .....						1,400	
One expert in plant ecology .....						1,800	
One forest examiner .....						1,700	
One forest examiner .....						1,600	
One forest examiner .....						1,500	
One forest examiner .....						600	
One consulting expert .....						9,000	
Three experts, at \$3,000 each .....						2,000	
One expert .....						6,000	
Three experts, at \$2,000 each .....						12,600	
Seven experts, at \$1,800 each .....						4,800	
Three experts, at \$1,600 each .....						3,000	
Two experts, at \$1,500 each .....						1,400	
One expert .....						3,600	
Three experts, at \$1,200 each .....						6,000	
Six experts, at \$1,000 each .....						900	
One expert .....						300	
One expert .....							
One expert, at \$7 per diem, when actually employed .....						1,000	
One geographer .....						2,500	
One scientific assistant .....						1,700	
One engineer in timber tests .....						1,600	
One timber-testing assistant .....						900	
Two laboratory assistants in wood chemistry, at \$900 each .....						1,800	

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>Improvement of the National Forests—Continued.</i>							
<i>In Washington—Continued.</i>							
Three laboratory helpers, at \$600 each.....	\$1,800						
Two laboratory aids and engineers at \$730 each..	1,460						
Two engineers in wood preservation, at \$1,000 each.....	2,000						
One topographer.....	1,900						
One principal examiner.....	2,700						
One fiscal agent.....	2,400						
One fiscal agent.....	2,200						
One law examiner.....	1,500						
Three law examiners, at \$1,200 each.....	3,600						
One forest agent.....	1,250						
Two clerks, at \$2,000 each.....	4,000						
One clerk.....	1,800						
Four clerks, at \$1,600 each.....	6,400						
One clerk.....	1,500						
Two clerks, at \$1,400 each.....	2,800						
Five clerks, at \$1,320 each.....	6,600						
Six clerks, at \$1,260 each.....	7,560						
Six clerks, at \$1,200 each.....	7,200						
One clerk.....	1,110						
Three clerks, at \$1,080 each.....	3,240						
Eight clerks, at \$1,020 each.....	8,160						
Ten clerks, at \$1,000 each.....	10,000						
Seven clerks, at \$960 each.....	6,720						
Twenty-five clerks, at \$900 each.....	22,500						
Six clerks, at \$840 each.....	5,040						
Four clerks, at \$800 each.....	3,200						
Six clerks, at \$780 each.....	4,680						
Thirteen clerks, at \$720 each.....	9,360						
Sixteen clerks, at \$700 each.....	11,200						
One hundred twenty-nine clerks, at \$600 each....	72,000						
One bookkeeper.....	1,200						
Two draftsmen, at \$1,600 each.....	3,200						
One draftsman.....	1,400						
Six draftsmen, at \$1,200 each.....	7,200						
Two draftsmen, at \$1,080 each.....	2,160						
One draftsman.....	1,020						
Two draftsmen, at \$1,000 each.....	2,000						
Three draftsmen, at \$900 each.....	2,700						
Three draftsmen, at \$840 each.....	2,520						
One draftsman.....	720						
Five draftsmen, at \$600 each.....	3,000						
One photographer.....	1,600						
One expert artist.....	1,400						
One artist.....	1,200						
One expert xylotomist.....	900						
One lithographer.....	1,000						
One lithographer.....	700						
One charwoman.....	560						
One charwoman.....	360						
Eleven charwomen, at \$240 each.....	2,640						
One carpenter.....	720						
One joiner.....	900						
Two classified laborers, at \$600 each.....	1,200						
Three skilled laborers, at \$600 each.....	1,800						
Two skilled laborers, at \$480 each.....	960						
One unskilled laborer.....	600						
One unskilled laborer.....	560						
One unskilled laborer.....	540						
Three unskilled laborers, at \$480 each.....	1,440						
Two messengers, at \$840 each.....	1,680						
Eleven messengers, at \$360 each.....	3,960						
One apprentice boy.....	480						
Two apprentice boys, at \$360 each.....	720						
Total.....	571,520						
<i>Out of Washington—</i>							
One chief inspector.....	3,000						
One chief inspector.....	2,700						
Two chief inspectors, at \$2,200 each.....	4,400						
One chief inspector.....	2,000						
Two inspectors, at \$2,400 each.....	4,800						
Two inspectors, at \$2,100 each.....	4,200						
Two inspectors, at \$2,000 each.....	4,000						
One inspector.....	1,900						
Six inspectors, at \$1,800 each.....	10,800						
Two inspectors, at \$1,700 each.....	3,400						
Six inspectors, at \$1,600 each.....	9,600						
One inspector.....	1,500						
Two inspectors, at \$1,400 each.....	2,800						
One inspector.....	1,000						
One inspector of grazing.....	1,000						
One forest expert.....	1,400						
One forest assistant.....	1,600						
Two forest assistants, at \$1,000 each.....	2,000						
One special agent.....	1,900						
One special agent.....	1,200						
One topographer.....	1,800						
One telephone lineman and repairman.....	900						
Nine collaborators, at \$300 each.....	2,700						
One collaborator.....	12						
One forest student.....	300						
One engineer in timber tests.....	2,000						
One engineer in timber tests.....	1,600						
One engineer in timber tests.....	1,500						
One engineer in timber tests.....	1,400						
One engineer in timber tests.....	1,300						
One engineer in timber tests.....	1,000						



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt. required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>Improvement of the National Forests—Continued.</i>							
<i>Out of Washington—Continued.</i>							
Four timber-testing assistants, at \$800 each.....	\$3,200						
One laboratory assistant in timber tests.....	700						
One laboratory assistant in timber tests.....	600						
One expert examiner of field claims.....	1,200						
One technical assistant.....	1,800						
One technical assistant.....	1,700						
One technical assistant.....	1,600						
Three technical assistants, at \$1,400 each.....	4,200						
One technical assistant.....	1,300						
Thirteen technical assistants, at \$1,200 each.....	15,600						
Two technical assistants, at \$1,100 each.....	2,200						
Twenty-one technical assistants, at \$1,000 each.....	21,000						
One forest agent.....	2,400						
One forest agent.....	1,400						
Two forest agents, at \$1,200 each.....	2,400						
Two forest agents, at \$1,000 each.....	2,000						
Four forest agents, at \$900 each.....	3,600						
Two forest agents, at \$800 each.....	1,600						
Two forest agents, at \$720 each.....	1,440						
Two forest agents, at \$600 each.....	1,200						
Three forest agents, at \$420 each.....	1,260						
One forest agent, at \$4 per diem.....	1,400						
One forest planting assistant.....	1,200						
One forest planting assistant.....	1,100						
Two forest planting assistants, at \$1,000 each.....	2,000						
Eight forest planting assistants, at \$900 each.....	7,200						
One clerk.....	1,400						
One clerk.....	1,300						
Twelve clerks, at \$1,200 each.....	14,400						
Six clerks, at \$1,100 each.....	6,600						
One clerk.....	1,080						
Nineteen clerks, at \$1,000 each.....	19,000						
Sixty-four clerks, at \$900 each.....	57,600						
Two clerks, at \$800 each.....	1,600						
Five clerks, at \$720 each.....	3,600						
One clerk.....	600						
One clerk.....	480						
One clerk.....	300						
One supervisor.....	2,700						
One supervisor.....	2,400						
Two supervisors, at \$2,300 each.....	4,600						
Two supervisors, at \$2,200 each.....	4,400						
Two supervisors, at \$2,100 each.....	4,200						
Seven supervisors, at \$2,000 each.....	14,000						
Twelve supervisors, at \$1,900 each.....	22,800						
Nineteen supervisors, at \$1,800 each.....	34,200						
Twenty supervisors, at \$1,700 each.....	34,000						
Sixteen supervisors, at \$1,600 each.....	25,600						
Nineteen supervisors, at \$1,500 each.....	28,500						
Two supervisors, at \$1,400 each.....	2,800						
Seven deputy forest supervisors, at \$1,600 each.....	11,200						
Twenty-two deputy forest supervisors, at \$1,500 each.....	33,000						
Thirty-one deputy forest supervisors, at \$1,400 each.....	43,400						
Eleven deputy forest supervisors, at \$1,300 each.....	14,300						
Five deputy forest supervisors, at \$1,200 each.....	6,000						
One deputy forest supervisor.....	1,000						
Twelve forest rangers, at \$1,400 each.....	16,800						
Thirty-four forest rangers, at \$1,300 each.....	44,200						
One hundred and twenty-one forest rangers, at \$1,200 each.....	145,200						
Five forest rangers, at \$1,100 each.....	5,500						
Four deputy forest rangers, at \$1,200 each.....	4,800						
Two hundred and thirty-five deputy forest rangers, at \$1,100 each.....	258,500						
Two hundred and thirty-nine deputy forest rangers, at \$1,000 each.....	239,000						
One assistant forest ranger.....	1,100						
Six assistant forest rangers, at \$1,000 each.....	6,000						
Two hundred and forty-four assistant forest rangers, at \$900 each.....	219,600						
Nine forest guards, at \$1,200 each.....	10,800						
One forest guard.....	1,100						
Three forest guards, at \$1,000 each.....	3,000						
Five hundred and fifteen forest guards, at \$900 each.....	163,500						
Three forest guards, at \$720 each.....	2,160						
One forest guard.....	360						
One forest guard.....	120						
Six construction engineers, at \$1,800 each.....	10,800						
One construction engineer.....	1,500						
One construction engineer.....	1,400						
One construction engineer.....	1,200						
One telephone expert.....	1,500						
Three expert miners, at \$1,000 each.....	3,000						
Four expert miners, at \$4.50 per diem each.....	6,400						
Three expert miners, at \$3 per diem each.....	3,000						
One expert miner.....	900						
Three skilled laborers, at \$900 each.....	2,700						
Two unskilled laborers, at \$360 each.....	720						
Two packers, at \$720 each.....	1,440						
One unskilled laborer.....	600						
One messenger.....	600						
One carpenter.....	900						
Total.....	2,021,772						
Total for Forest Service, including statutory salaries.....						\$5,991,500.00	\$3,896,200.00

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.		Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
			Vol. or R. S.	Page.	Sec.			
BUREAU OF CHEMISTRY.								
Salaries, Bureau of Chemistry—								
One chemist, who shall be chief of Bureau-----	{	May 29, 1908	R. S. 35	87 260	522-3 1	\$5,000.00		
One chief clerk -----		Same acts-----				1,800.00		
Three clerks, class four (increase of one submitted) -----		do -----				5,400.00		
Six clerks, class three (increase of two submitted)-----		do -----				9,600.00		
Eight clerks, class two (increase of two submitted) -----		do -----				11,200.00		
One property clerk-----		do -----				1,600.00		
One clerk (by transfer from lump fund) -----		do -----				1,300.00		
Nine clerks, class one-----		do -----				10,800.00		
Nine clerks, at \$1,000 each (increase of one by transfer from lump fund)-----		do -----				9,000.00		
One assistant property custodian -----		do -----				900.00		
Twelve clerks, at \$900 each (increase of two submitted) --		do -----				10,800.00		
One engineer -----		do -----				1,200.00		
One messenger-----		Submitted-----				900.00		
Two messengers, at \$840 each-----	{	May 23, 1908	R. S. 35	87 260	522-3 1	1,680.00		
One skilled mechanic-----		Same acts-----				900.00		
Three watchmen, at \$720 each (by transfer from lump fund)-----		do -----				2,160.00		
Three skilled laborers, at \$720 each -----		do -----				2,160.00		
One skilled laborer-----		do -----				600.00		
One fireman -----		do -----				600.00		
Four messengers or laborers, at \$600 each (increase of one by transfer from lump fund)-----		do -----				2,400.00		
Three messengers or laborers, at \$480 each -----		do -----				1,440.00		
Two messengers or laborers, at \$420 each -----		do -----				840.00		
Four charwomen, at \$240 each (by transfer from lump fund) -----		do -----				960.00		
NOTE.—One clerk of class four, two clerks of class three, two clerks of class two, two clerks, at \$900 each, and one messenger, at \$900, have been added, amounting to \$10,500. One clerk, at \$1,300, one clerk, at \$1,000, three watchmen, at \$720 each, one laborer, at \$600, and four charwomen, at \$240 each, have also been added by transfer from the lump fund, amounting to \$6,020. Apparent increase, \$16,520; but deducting places, amounting to \$6,020, transferred from the lump fund, the net increase is \$10,500.							\$83,240.00	\$66,720.00



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<b>[Laboratory, Department of Agriculture—]</b> <b>General Expenses, Bureau of Chemistry—</b> For chemical apparatus, chemicals, and supplies, repairs to [engine and] apparatus, gas and electric current, official traveling [and other] expenses, telegraph and telephone service, express and freight charges, labor and expert work and all necessary expenses in conducting investigations contemplated by the Act of May fifteenth, eighteen hundred and sixty-two, relating to the application of chemistry to agriculture in the most general and comprehensive sense of that word [in this Bureau] in the city of Washington and elsewhere, and in collating, digesting, reporting, illustrating, and publishing the results of such investigations; for the rent of buildings in the city of Washington and elsewhere; to continue collaboration with other Departments of the Government desiring chemical investigations and whose heads request the Secretary of Agriculture for such assistance, and for other miscellaneous work; to demonstrate and illustrate the methods for the making of denatured alcohol on a scale suitable for utilization by the farmer, or associations of farmers; [to enable the Secretary of Agriculture] to investigate the character of the chemical and physical tests which are applied to American food products in foreign countries, and to inspect before shipment, when desired by the shippers or owners of these food products, American food products intended for countries where chemical and physical tests are required before said food products are allowed to be sold in the countries mentioned, and for all necessary expenses connected with such inspection and studies of methods of analysis in foreign countries; for all expenses necessary to carry into effect the provisions of the Act of June thirtieth, nineteen hundred and six, entitled "An Act for preventing the manufacture, sale, or transportation of adulterated, or misbranded, or poisonous, or deleterious foods, drugs, medicines, and liquors, and for other purposes," including rent and the employment of labor in the city of Washington and elsewhere; employing such assistants, clerks, and other persons as the Secretary of Agriculture may consider necessary for the purposes named, [seven hundred and sixty thousand] nine hundred and sixteen thousand seven hundred and sixty dollars. [Provided, That hereafter any sum used for compensation of or payment of expenses to any officer or other person employed by any State, county, or municipal government, shall be reported to Congress in detail, on the first Monday of December of each year.]	May 23, 1908	R. S. 35	87 260-1	520 1		\$916, 760. 00	\$760, 000. 00

NOTE 1.—Apparent increase \$156,760; but adding the saving in salaries of ten employees transferred to the statutory roll, amounting to \$6,020, the actual increase is \$162,780. This is made necessary by the increased work of testing supplies furnished departments of the Government, particularly those for the Isthmian Canal Commission, by increased work for the Department of Justice in investigating the effect of smelter fumes on vegetation, and by the increased work in connection with the enforcement of the Food and Drugs act, it being necessary to open additional laboratories and increase the force of inspectors and chemists in order to cover ports of the United States which are not now supplied. Several verbal changes have been made and the following words have been inserted: "Contemplated by the act of May 15, 1862, relating to the application of chemistry to agriculture in the most general and comprehensive sense of that word." These words are inserted in order that any chemical investigations relating directly to agriculture and not specifically authorized may be made at the discretion of the Secretary of Agriculture when new problems demanding immediate solution arise.

NOTE 2.—The titles of the principal items provided for above and the approximate amounts of expenditure contemplated thereunder are as follows:

Administrative: Office, clerical, editorial .....	\$26,000
Food analyses and investigations .....	64,350
Drug analyses and investigations .....	55,520
Branch food and drug analytical laboratories .....	280,000
Inspection work under Food and Drugs Act .....	174,000
Miscellaneous division analyses and investigations .....	21,000
Dairy analyses and investigations .....	10,800
Leather, paper, and turpentine investigations .....	12,000
Sugar analyses investigations .....	7,700
Testing Government contract supplies .....	16,800
Microchemical investigations .....	8,220
Bacteriological investigations .....	8,620
Animal physiological investigations .....	17,950
Vegetable physiological investigations .....	16,200
Nitrogen tests and investigations .....	7,000

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

Estimates of appropriations required for the service of the fiscal year ending		Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
General object (title of appropriation) and details and explanations.			Vol. or R. S.	Page.	Sec.			
<b>【Laboratory, Department of Agriculture】—Continued.</b>								
<b>General Expenses, Bureau of Chemistry—Continued.</b>								
Study of effect of environment on sweet Indian corn		\$5,600						
Study of fermentation in cider and fruit juices as affecting the chemical composition of their products		6,000						
Special chemical investigations conducted for or in collaboration with other departments, as requested		10,000						
Special investigations necessary under Food and Drugs Act		20,000						
Denatured alcohol investigations		10,000						
Testing supplies for Isthmian Canal Commission		15,000						
Investigating effects of smelter fumes and trade wastes on vegetation		10,000						
Five additional branch food and drug inspection laboratories		60,000						
Additional inspection service under Food and Drugs Act to cover territory not now adequately served		54,000						
Total		916,760						
NOTE 3.—Salaries of chemists, food and drug inspectors, special agents, scientific assistants, etc., carried on the lump fund named below on August 15, 1908.								
LABORATORY, DEPARTMENT OF AGRICULTURE.								
<i>In Washington—</i>								
One assistant chief		\$3,500.00						
One associate chemist		3,500.00						
Two chiefs of laboratories, at \$3,000 each		6,000.00						
One chief of laboratory		2,750.00						
Three chiefs of laboratories, at \$2,500 each		7,500.00						
One chief of laboratory		2,250.00						
Three assistant chemists, at \$2,500 each		7,500.00						
One assistant chemist		2,250.00						
Five assistant chemists, at \$2,000 each		10,000.00						
Ten assistant chemists, at \$1,800 each		18,000.00						
Eleven assistant chemists, at \$1,600 each		17,600.00						
Four assistant chemists, at \$1,500 each		6,000.00						
Twelve assistant chemists, at \$1,400 each		16,800.00						
Sixteen assistant chemists, at \$1,200 each		19,200.00						
Thirteen assistant chemists, at \$1,000 each		13,000.00						
One assistant chemist		840.00						
One chief inspector		2,500.00						
One scientific library assistant		1,400.00						
One clerk		1,300.00						
One clerk		1,000.00						
Two clerks, at \$900 each		1,800.00						
One expert		2,500.00						
Two experts, at \$1,800 each		3,600.00						
One glass blower		1,200.00						
One tool maker		1,000.00						
Two laboratory helpers, at \$1,000 each		2,000.00						
One laboratory helper		900.00						
Two laboratory helpers, at \$840 each		1,680.00						
One laboratory helper		780.00						
Nine laboratory helpers, at \$720 each		6,480.00						
One laboratory helper		660.00						
Seven laboratory helpers, at \$600 each		4,200.00						
Three watchmen, at \$720 each		2,160.00						
One laborer		600.00						
Two laborers, at \$1.50 per diem each, when actually employed		1,000.00						
One laborer		300.00						
One collaborator		300.00						
Four charwomen, at \$240 each		960.00						
One carpenter, at \$3.50 per diem, when actually employed		1,100.00						
Total		176,110.00						
<i>Out of Washington—</i>								
Two laboratory chiefs, at \$3,000 each		6,000.00						
One laboratory chief		2,750.00						
Three laboratory chiefs, at \$2,500 each		7,500.00						
Two laboratory chiefs, at \$2,000 each		4,000.00						
One laboratory chief, at \$10 per diem, when actually employed		2,500.00						
Two assistant chemists, at \$2,250 each		4,500.00						
Three assistant chemists, at \$2,000 each		6,000.00						
Twelve assistant chemists, at \$1,800 each		21,600.00						
Six assistant chemists, at \$1,600 each		9,600.00						
Two assistant chemists, at \$1,500 each		3,000.00						
Five assistant chemists, at \$1,400 each		7,000.00						
Fifteen assistant chemists, at \$1,200 each		18,000.00						
Nine assistant chemists, at \$1,000 each		9,000.00						
Two assistant chemists, at \$900 each		1,800.00						
Nine assistant chemists, at \$10 per diem each, when actually employed		2,900.00						
Five assistant chemists, at \$8 per diem each, when actually employed		2,500.00						
One assistant chemist, at \$7 per diem, when actually employed		210.00						
One assistant chemist, at \$5 per diem, when actually employed		1,500.00						
One food and drug inspector		2,250.00						
Three food and drug inspectors, at \$2,000 each		6,000.00						
Five food and drug inspectors, at \$1,800 each		9,000.00						
Fourteen food and drug inspectors, at \$1,600 each		22,400.00						
One food and drug inspector		1,500.00						



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt. required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<b>【Laboratory, Department of Agriculture】—Continued.</b>							
<b>General Expenses, Bureau of Chemistry—Continued.</b>							
Nine food and drug inspectors, at \$1,400 each.....					\$12,600.00		
Five food and drug inspectors, at \$1,200 each.....					6,000.00		
One food and drug inspector.....					1,000.00		
Two special agents, at \$1,200 each.....					2,400.00		
Two special agents, at \$600 each.....					1,200.00		
One special agent, at \$10 per diem, when actually employed.....					1,200.00		
One expert.....					3,000.00		
One expert, at \$8 per diem, when actually employed.....					2,400.00		
One expert, at \$20 per diem, when actually employed.....					1,400.00		
One clerk.....					1,400.00		
One clerk.....					1,200.00		
One clerk.....					1,000.00		
Eight clerks, at \$900 each.....					7,200.00		
One clerk, at \$3.25 per diem, when actually employed.....					812.50		
One laboratory helper.....					1,000.00		
One laboratory helper.....					840.00		
Eleven laboratory helpers, at \$720 each.....					7,920.00		
One laboratory helper.....					600.00		
Eight laboratory helpers, at \$600 each.....					4,800.00		
One laboratory helper, at \$2.30 per diem, when actually employed.....					600.00		
One janitor.....					720.00		
Six collaborating clerks, at \$300 each.....					1,800.00		
Four collaborating clerks, at \$240 each.....					960.00		
One janitor.....					240.00		
One artist, at \$10 per diem, when actually employed.....					400.00		
Twenty collaborating chemists, at \$8 per diem each, when actually employed.....					6,000.00		
Total .....					220,262.50		
Total for Bureau of Chemistry, including statutory salaries.....						\$1,000,000.00	\$826,720.00
BUREAU OF SOILS.							
<i>Salaries, Bureau of Soils—</i>							
One soil physicist, who shall be chief of Bureau .....	{ May 23, 1908	R. S. 35	87 261	522-3 1	} \$3,500.00		
One chief clerk.....	Same acts.....					2,000.00	
Two clerks, class four.....	do.....					3,600.00	
One clerk, class three.....	do.....					1,600.00	
Three clerks, class two.....	do.....					4,200.00	
Eight clerks, class one (increase of two submitted).....	do.....					9,600.00	
NOTE.—One draftsman, at \$1,200, and one draftsman, at \$1,000, transferred to the lump fund.							
Four clerks, at \$1,000 each.....	do.....					4,000.00	
Three clerks, at \$840 each.....	do.....					2,520.00	
One carpenter.....	do.....					840.00	
NOTE.—One photographer, at \$1,000, transferred to the lump fund.							
One messenger.....	do.....					720.00	
One messenger or laborer.....	do.....					480.00	
One laborer (by transfer from lump fund).....	do.....					600.00	
One charwoman or laborer.....	do.....					480.00	
One messenger boy.....	do.....					360.00	
NOTE.—Two clerks of class one have been added, amounting to \$2,400, also one laborer by transfer from the lump fund, \$600, total						34,500.00	34,700.00

Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.																																																																
		Vol. or R. S.	Page.	Sec.																																																																			
<p><i>Salaries, Bureau of Soils—Continued.</i> increase \$3,000. One draftsman, at \$1,200, one draftsman, at \$1,000, and one photographer, at \$1,000, have been transferred to the lump fund, decrease \$3,200, making apparent decrease \$200, but not considering the places transferred to and from the lump fund, the actual increase is \$2,400.</p> <p><b>[Soil Investigations]—</b> <i>General Expenses, Bureau of Soils—</i> For the investigation of the relation of soils to climate and organic life; for the investigation of the texture and composition of soils in the field and laboratory; for the investigation of the cause and prevention of the rise of alkali in the soils of the irrigated districts; for the investigation of the relation of soils to drainage and seepage waters; for investigations of soils and for indicating upon maps or plats, by coloring or otherwise, the results of such investigations; [to map] for mapping the tobacco soils of the United States; [to investigate] for investigating the soils and conditions of tobacco growth in Cuba, Sumatra, and other tobacco-competing countries; [to investigate] for investigating, with the view of improving, the conditions relating to the supply and sale of domestic tobacco to any foreign country or countries where the business of buying and selling tobacco is conducted by the Government; for rent and the employment of labor in the District of Columbia and elsewhere; for materials, tools, instruments, apparatus, gas, [and] electric current, furniture, [and] supplies, [for] telegraph and telephone service, [and for] official traveling expenses, freight and express charges, and other necessary expenses, [two hundred thousand] two hundred and fifty-two thousand six hundred dollars</p> <p>NOTE 1.—An apparent increase of \$52,600, but deducting the net increase in salaries of employees transferred to and from the statutory roll, amounting to \$2,600, the actual increase in the appropriation is \$50,000, and is submitted to provide for an increase in the soil survey work. Several verbal changes have also been made in the wording of the law.</p> <p>NOTE 2.—The titles of the principal items provided for above and the approximate amount of expenditure contemplated thereunder are as follows:</p> <table><tr><td>Soil surveys in the various States.....</td><td>\$145,000</td></tr><tr><td>Reconnaissance surveys in the Great Plains region...</td><td>50,000</td></tr><tr><td>Reconnaissance surveys in the Appalachian region...</td><td>5,000</td></tr><tr><td>Chemistry and physics and soil fertility laboratories....</td><td>38,000</td></tr><tr><td>Soil erosion.....</td><td>5,000</td></tr><tr><td>General administrative expenses.....</td><td>9,600</td></tr><tr><td>Total.....</td><td>252,600</td></tr></table> <p>NOTE 3.—Salaries of scientists, scientific assistants, experts, laborers, etc., carried on the lump fund named below on August 15, 1908.</p> <p>SOIL INVESTIGATIONS.</p> <p><i>In Washington—</i></p> <table><tr><td>Two scientists, at \$3,250 each .....</td><td>\$6,500</td></tr><tr><td>One scientist.....</td><td>3,000</td></tr><tr><td>Two scientists, at \$2,750 each .....</td><td>5,500</td></tr><tr><td>Five scientists, at \$2,000 each .....</td><td>10,000</td></tr><tr><td>Three assistants, at \$1,800 each .....</td><td>5,400</td></tr><tr><td>Two assistants, at \$1,600 each.....</td><td>3,200</td></tr><tr><td>Four assistants, at \$1,400 each.....</td><td>5,600</td></tr><tr><td>Three assistants, at \$1,200 each.....</td><td>3,600</td></tr><tr><td>Two assistants, at \$1,000 each .....</td><td>2,000</td></tr><tr><td>Three assistants, at \$720 each .....</td><td>2,160</td></tr><tr><td>One laborer.....</td><td>600</td></tr><tr><td>One laborer.....</td><td>300</td></tr><tr><td>One unskilled laborer, at \$15 per month (6 months).....</td><td>270</td></tr><tr><td>Total.....</td><td>48,130</td></tr></table> <p><i>Out of Washington—</i></p> <table><tr><td>One scientist.....</td><td>2,500</td></tr><tr><td>Five scientists, at \$2,000 each .....</td><td>10,000</td></tr><tr><td>Nine assistants, at \$1,800 each .....</td><td>16,200</td></tr><tr><td>Eight assistants, at \$1,600 each.....</td><td>12,800</td></tr><tr><td>Sixteen assistants, at \$1,400 each.....</td><td>22,400</td></tr><tr><td>Ten assistants, at \$1,200 each .....</td><td>12,000</td></tr><tr><td>Six assistants, at \$1,000 each .....</td><td>6,000</td></tr><tr><td>One assistant.....</td><td>720</td></tr><tr><td>One classified collaborator (when actually employed).....</td><td>60</td></tr><tr><td>One assistant.....</td><td>600</td></tr><tr><td>Total.....</td><td>\$3,280</td></tr></table> <p>Total for Bureau of Soils, including statutory salaries</p>	Soil surveys in the various States.....	\$145,000	Reconnaissance surveys in the Great Plains region...	50,000	Reconnaissance surveys in the Appalachian region...	5,000	Chemistry and physics and soil fertility laboratories....	38,000	Soil erosion.....	5,000	General administrative expenses.....	9,600	Total.....	252,600	Two scientists, at \$3,250 each .....	\$6,500	One scientist.....	3,000	Two scientists, at \$2,750 each .....	5,500	Five scientists, at \$2,000 each .....	10,000	Three assistants, at \$1,800 each .....	5,400	Two assistants, at \$1,600 each.....	3,200	Four assistants, at \$1,400 each.....	5,600	Three assistants, at \$1,200 each.....	3,600	Two assistants, at \$1,000 each .....	2,000	Three assistants, at \$720 each .....	2,160	One laborer.....	600	One laborer.....	300	One unskilled laborer, at \$15 per month (6 months).....	270	Total.....	48,130	One scientist.....	2,500	Five scientists, at \$2,000 each .....	10,000	Nine assistants, at \$1,800 each .....	16,200	Eight assistants, at \$1,600 each.....	12,800	Sixteen assistants, at \$1,400 each.....	22,400	Ten assistants, at \$1,200 each .....	12,000	Six assistants, at \$1,000 each .....	6,000	One assistant.....	720	One classified collaborator (when actually employed).....	60	One assistant.....	600	Total.....	\$3,280	May 23, 1908	35	261	1		\$252, 600. 00	\$200, 000. 00
Soil surveys in the various States.....	\$145,000																																																																						
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One classified collaborator (when actually employed).....	60																																																																						
One assistant.....	600																																																																						
Total.....	\$3,280																																																																						
						287, 100. 00	234, 700. 00																																																																



Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
BUREAU OF ENTOMOLOGY.							
<i>Salaries, Bureau of Entomology—</i>							
One entomologist, who shall be chief of Bureau ----- {	May 23, 1908	R. S. 35	261-2	522-3 1	{ \$4,000. 00		
One chief clerk -----	Same acts				1,800. 00		
Two clerks, class three -----	do				3,200. 00		
Four clerks, class two -----	do				5,600. 00		
NOTE.—One artist, at \$1,400, transferred to lump fund for general expenses.							
Four clerks, class one (increase of one by transfer from lump fund for general expenses) -----	do				4,800. 00		
Five clerks, at \$1,000 each -----	do				5,000. 00		
One messenger -----	do				840. 00		
One messenger -----	do				720. 00		
One laborer (by transfer from lump fund for general expenses) -----	do				720. 00		
Two charwomen, at \$480 each (by transfer from lump fund for general expenses) -----	do				960. 00		
One charwoman (by transfer from lump fund for general expenses) -----	do				240. 00		
NOTE.—One clerk of class one, one laborer, at \$720, two charwomen, at \$480 each, and one charwoman at \$240 have been added by transfer from the lump fund for general expenses, amounting to \$3,120. One artist, at \$1,400, has been transferred to the lump fund for general expenses, a decrease of \$1,400, making apparent increase in the statutory roll \$1,720, but not considering the places transferred to and from the lump fund for general expenses, no actual increase has been made in salaries in the above appropriation.							
						\$27,880.00	\$26,160.00
<i>[Entomological Investigations]—</i>							
<i>General Expenses, Bureau of Entomology—</i>							
For the promotion of economic entomology; for investigating the history and habits of insects injurious [and] or beneficial to agriculture, horticulture, and arboriculture, and ascertaining the best means of destroying those found to be injurious, including an investigation into the ravages of insects affecting field crops; for investigations of the insects affecting small fruits, shade trees, and truck crops, forests and forest products, and stored products; for the investigation of insects in relation to diseases of men and domestic animals, and as animal parasites; for miscellaneous insect investigations, including the investigation of tobacco insects; for the introduction of beneficial insects, quarantine work, and the study of fungous and other diseases of insects; for the expenses of insect laboratory, collections, and experimental garden; for investigations in apiculture; for investigations of insecticides and insecticide machinery: Provided, That Porto Rico is not excluded; for rent and the employment of labor in the city of Washington and elsewhere, freight and express charges, and official traveling expenses; for office fixtures, supplies, [and] apparatus, telegraph and telephone service, gas, and electric current, [one hundred and fifty-eight thousand eight hundred] one hundred and ninety-nine thousand eight hundred dollars [of which sum ten thousand dollars shall be immediately available.] -----							
	May 23, 1908	35	262	1		199,800.00	158,800.00

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

Estimates of appropriations required for the service of the fiscal year ending June 30, 1909.		References to Stats. at Large, or to Revised Statutes.			Estimated amt't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	Vol. or R. S.	Page.	Sec.			
		<b>Entomological Investigations</b> —Continued. <b>General Expenses, Bureau of Entomology</b> —Continued. NOTE 1.—Apparent increase, \$41,000, but adding the net saving in salaries of places transferred to and from the statutory roll, amounting to \$1,720, the actual increase is \$42,720. This increase is necessitated by the normal growth of the general investigations being carried on. As certain investigations are continued, a better understanding of the problems involved necessitates an enlarged scope of investigation, additional assistance, additional supplies for experimental and laboratory work, and additional funds for traveling expenses. The gradually increased appropriations for this bureau within the past few years have been productive of excellent results and have enabled investigators to show more and more clearly that money spent in promoting their work means money saved to the country. The increase requested is considered moderate in view of these facts and of the constant demands on the bureau for further investigations. Several verbal changes have also been made in the wording of the law. NOTE 2.—The titles of the principal items provided for above, and the approximate amounts of expenditure contemplated thereunder, are as follows:					
Old Items:							
Apicultural investigations.....	\$10,000						
Cactus insect investigations.....	2,500						
California gas experiments.....	5,000						
Cattle tick life history investigations.....	6,500						
Cotton boll weevil investigations.....	20,000						
Cereal and forage crop insect investigations.....	21,000						
Deciduous fruit insect investigations.....	25,500						
Forest insect investigations.....	12,000						
Tobacco insect investigations.....	5,000						
Truck crop insect investigations.....	11,250						
White fly investigations.....	9,000						
Miscellaneous expenses.....	31,050						
New Items:							
Argentine ant investigations.....	4,000						
Pear thrips investigations in California.....	15,000						
Cranberry insect investigations in Wisconsin.....	5,000						
Damage to fruit trees by bark-beetles following attack of the San Jose scale.....	2,000						
Rice insect investigations.....	5,000						
Sugar cane insect investigations.....	5,000						
Investigations of the sources of infestation of stored grain.....	5,000						
Total.....	199,800						
NOTE 3.—Salaries of entomologists, experts, special agents, laborers, charwomen, etc., carried on the lump fund named below on August 15, 1908.							
ENTOMOLOGICAL INVESTIGATIONS.							
In Washington—							
One entomologist and acting chief.....	\$3,000						
One agent and expert.....	2,750						
One agent and expert.....	1,800						
One agent and expert.....	1,600						
One agent and expert.....	1,200						
One agent and expert.....	1,000						
One assistant.....	2,750						
One assistant.....	2,000						
Two assistants, at \$1,800 each.....	3,600						
Two assistants, at \$1,600 each.....	3,200						
Two assistants, at \$1,400 each.....	2,800						
One expert.....	1,400						
One expert.....	1,200						
Two experts, at \$1,000 each.....	2,000						
One expert.....	840						
One expert.....	720						
One expert, at \$10 per month (6 months).....	240						
One entomological draftsman.....	1,200						
One skilled laborer.....	1,600						
One assistant preparator, at \$40 per month (2 months).....	80						
Two assistant preparators, at \$25 per month each.....	600						
Total.....	35,580						
Out of Washington—							
Three agents and experts, at \$2,750 each.....	8,250						
One agent and expert.....	2,250						
One agent and expert.....	2,000						
Three agents and experts, at \$1,800 each.....	5,400						
Nine agents and experts, at \$1,600 each.....	14,400						
One agent and expert.....	1,500						
Ten agents and experts, at \$1,400 each.....	14,000						
One agent and expert.....	1,300						
Eleven agents and experts, at \$1,200 each.....	13,200						
Nine agents and experts, at \$1,000 each.....	9,000						
One agent and expert.....	900						
One agent and expert, at \$75 per month (3 months).....	225						
One agent and expert, at \$60 per month (3 months).....	180						
One agent and expert, at \$50 per month (3 months).....	150						
One agent and expert, at \$35 per month (3 months).....	105						
One clerk.....	1,200						
One unskilled laborer, at \$50 per month (3 months).....	150						
One unskilled laborer, at \$45 per month.....	540						
One collaborator, at \$20 per month (6 months).....	120						
Five collaborators, at \$1 per month each.....	60						
Total.....	74,930						



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<b>Prevention of Spread of Moths—</b>							
To enable the Secretary of Agriculture to meet the emergency caused by the continued spread of the gypsy and brown tail moths [two hundred and fifty thousand dollars, or so much thereof as may be necessary, is hereby appropriated and made immediately available. And the Secretary of Agriculture is hereby authorized to expend said appropriation] by establishing and maintaining a quarantine against [such] further spread in such manner as he shall deem best, in cooperation with the authorities of the different States concerned and with the several State experiment stations, including rent and the employment of labor in the city of Washington and elsewhere, and all other necessary expenses, three hundred thousand dollars-----	May 23, 1908	35	268	1	\$300,000.00	\$250,000.00	
NOTE 1.—An increase of \$50,000 is submitted. The results obtained from the appropriation made for the present fiscal year have been excellent, but this sum is being spent almost entirely upon the treatment of the pests along the main-traveled roads. During the summer of 1908, enormous damage has been done in extensive woodland tracts away from the roads, and in these tracts the gypsy moths have multiplied to an alarming extent. While such multiplication will probably not influence the spread of the insect to any great degree, it seems most desirable to carry on in these regions some rather extensive work in the treatment of the egg masses in the winter time, in order to decrease the damage there and reduce the number of insects that may spread by crawling into the traveled roadside strips. With an increase of \$50,000 much effective work of this character can be done. This appropriation was formerly carried as an "emergency appropriation" at the end of the bill, but its inclusion under this bureau, to which it pertains, is suggested for the purpose of simplifying the bookkeeping, as the work should be continued for several years. Some minor changes have also been made in the wording.							
NOTE 2.—The titles of the principal items provided for above, and the approximate amounts of expenditure contemplated thereunder, are as follows:							
Salaries in Washington..... \$8,000							
Salaries out of Washington..... 12,000							
Foremen, scouts, and laborers..... 225,000							
Field supplies and equipment..... 30,000							
Rent of office and storehouses..... 2,000							
Traveling expenses..... 20,000							
Express, freight, telegraph, and miscellaneous..... 3,000							
Total..... 300,000							
NOTE 3.—Salaries of special agents, experts, clerks, etc., carried on the lump fund named below on August 15, 1908.							
PREVENTING SPREAD OF MOTHS, BUREAU OF ENTOMOLOGY.							
In Washington—							
One expert and agent..... \$1,800							
One expert and agent..... 1,400							
One expert and agent..... 1,200							
One clerk..... 1,600							
Total..... 6,000							
Out of Washington—							
One special agent..... 2,750							
One special agent..... 1,080							
One special agent, at \$90 per month..... 2,000							
One expert..... 1,800							
One expert..... 1,600							
One expert..... 1,200							
One clerk..... 1,000							
One clerk..... 12							
One collaborator, at \$1 per month.....							
Total..... 11,442							
Total for Bureau of Entomology, including statutory salaries-----						527,680.00	434,960.00
BUREAU OF BIOLOGICAL SURVEY.							
Salaries, Bureau of Biological Survey—							
One biologist, who shall be chief of Bureau-----	May 23, 1908	R. S. 35	87 262	522-3 1	\$3,000.00		
Submitted-----						1,800.00	
One clerk, class four-----							1,400.00
One clerk, class two-----	do-----						

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>Salaries, Bureau of Biological Survey—Continued.</i>							
One clerk, class one-----	May 23, 1908	R. S. 35	87 262	522-3 1	\$1,200.00		
Two clerks, at \$1,000 each-----	Same acts-----				2,000.00		
Two clerks, at \$900 each (increase of one by transfer from lump fund)-----	do-----				1,800.00		
One messenger (by transfer from lump fund)-----	do-----				720.00		
One messenger or laborer-----	do-----				480.00		
One laborer (by transfer from lump fund)-----	do-----				600.00		
						\$13,000.00	\$7,580.00
NOTE.—One clerk of class four and one clerk of class two have been added. One clerk, at \$900, one messenger, at \$720, and one laborer, at \$600, have also been added by transfer from the lump fund. Apparent increase \$5,120, but deducting places amounting to \$2,220, transferred from the lump fund, the net increase is \$3,200.							
<b>Biological Investigations—</b> <i>General Expenses</i> <b>Biological Investigations</b> , Bureau of Biological Survey— For biological investigations, including the geographic distribution and migrations of animals, birds, and plants, and for the promotion of economic ornithology and mammalogy; for an investigation of the food habits of North American birds and mammals in relation to agriculture, horticulture, and forestry, including experiments in destroying noxious animals; for maintenance of the National Bison Range and other reservations for mammals and birds; for aiding other Federal Bureaus, Departments, Boards, and Commissions on request from them in the performance of the duties imposed on them by law; for rent and the employment of labor in the city of Washington and elsewhere; for freight and express charges; for office fixtures and supplies, gas, [and] electric current, telegraph and telephone service, official traveling and other necessary expenses; and to enable the Secretary of Agriculture to carry into effect the provisions of an Act approved May twenty-fifth, nineteen hundred, entitled "An Act to enlarge the powers of the Department of Agriculture, prohibit the transportation by interstate commerce of game killed in violation of local laws, and for other purposes," [fifty-four thousand four hundred and twenty] ninety thousand and one hundred and seventy dollars.							
	May 25, 1900	31	187	1-5	}-----	90,170.00	54,420.00
	May 23, 1908	35	262	1			
NOTE 1.—An apparent increase of \$35,750, but adding the saving in salaries of places transferred to the statutory roll, amounting to \$4,224, the actual increase is \$37,970. This is to enable the Biological Survey to meet the greatly increased demands for assistance in combatting the destructive ravages of injurious mammals and birds, in studying the relations of birds to fruits and other crops, in extending the work of mapping the life and crop zones, and in maintaining the Federal bird reservations, supervising interstate commerce in game, and developing game as a National resource.							
NOTE 2.—The titles of the principal items provided for above and the approximate amounts of expenditure contemplated thereunder are as follows:							
Experiments and demonstration work in destroying prairie dogs, ground squirrels, gophers, rats, mice, and other noxious mammals.....						\$22,000	
Investigation of relation of birds to fruit-growing in Oregon, Washington, and other States.....						4,000	
Investigation of food of ducks, waders, and other water birds.....						1,000	
Investigation of relation of birds to boll weevil in cotton States.....						2,000	
Field and laboratory work on food of night hawks, whip-poor-wills, swifts, woodpeckers, and flycatchers.....						2,000	
Biological survey of western States, including preparation of maps.....						18,000	
Continuation of work on distribution and migration of North American birds.....						2,000	
Investigation on breeding of fur-bearing and game animals.....						2,000	
General work of game protection.....						10,000	
Inspection of foreign birds and mammals at ports of entry.....						1,170	

Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<b>[Biological Investigations]—Continued.</b>							
<i>General Expenses [Biological Investigations], Bureau of Biological Survey—Continued.</i>							
Maintenance of National Bison Range in Montana.	\$3,000						
Inspection, warden service, and maintenance of bird reservations.	3,000						
Miscellaneous expenses, including cooperation with other Government bureaus, commissions, and boards.	5,000						
Furniture, fixtures, supplies, express, telegraph, telephone, etc.	5,000						
General expenses of administration.	10,000						
Total.	90,170						
NOTE 3.—Salaries of assistant biologists, field naturalists, experts, etc., carried on the lump fund named below on August 15, 1908.							
BIOLOGICAL INVESTIGATIONS.							
<i>In Washington—</i>							
One administrative assistant.	\$2,750						
One assistant in charge of game preservation.	2,500						
One assistant in charge of economic ornithology.	2,400						
One chief field naturalist.	2,400						
Two assistant biologists, at \$1,800 each.	3,600						
One assistant biologist.	1,600						
Two assistant biologists, at \$1,400 each.	2,800						
One bird migration expert.	1,400						
One scientific assistant.	1,400						
One expert.	1,400						
One assistant ornithologist.	1,200						
One photographer.	1,200						
One editor.	1,200						
One expert taxidermist.	1,000						
One clerk.	900						
One messenger.	720						
One charwoman.	560						
Total.	29,030						
<i>Out of Washington—</i>							
One assistant in charge of geographic distribution.	2,500						
One assistant in charge of economic investigations.	2,500						
One assistant biologist.	1,800						
One assistant biologist.	1,600						
One field naturalist.	1,700						
One expert field naturalist.	1,200						
Nine wardens in charge of reservations, at \$12 each.	108						
Total.	11,408						
Total for Bureau of Biological Survey, including statutory salaries.						\$103,170.00	\$62,000.00
DIVISION OF ACCOUNTS AND DISBURSEMENTS.							
<i>Salaries, Division of Accounts and Disbursements—</i>							
One chief of division and disbursing clerk, who shall be administrative officer of the fiscal affairs of the Department.	May 23, 1908	R. S. 35	87 262-3	522-3 1	\$3,250.00		
One assistant chief of division.	Same acts.				2,500.00		
Two auditors, at \$2,000 each (increase of one submitted).	do				4,000.00		
One cashier and chief clerk.	do				2,000.00		
Three clerks, class four (increase of two by transfer from the statutory roll of the Forest Service).	do				5,400.00		
Six clerks, class three.	do				9,600.00		
Nine clerks, class two (increase of one by transfer from the statutory roll of the Forest Service).	do				12,600.00		
Six clerks, class one (increase of two submitted).	do				7,200.00		
Three clerks, at \$1,000 each.	do				3,000.00		
One clerk.	do				900.00		



General object (title of appropriation) and details and explanations.		Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt. required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
			Vol. or R. S.	Page.	Sec.			
<i>Salaries, Division of Accounts and Disbursements—Continued.</i>								
Two clerks, at \$840 each.....	May 23, 1908	R. S. 35	87 262-3	522-3 1	\$1,680.00			
Three clerks, at \$720 each.....	Same acts.....				2,160.00			
One custodian of records and files.....	do.....				1,200.00			
One messenger.....	do.....				600.00			
<p>NOTE.—One auditor, at \$2,000, and two clerks of class one have been added. Two clerks of class four and one clerk of class two have also been added by transfer from the statutory roll of the Forest Service, for the purpose of making the administrative examinations of the accounts and disbursements of that bureau. Apparent increase \$9,400, but deducting places amounting to \$5,000 transferred from the Forest Service the net increase is \$4,400.</p>								
Total for Division of Accounts and Disbursements.....						\$56,090.00		\$46,690.00
						56,090.00		46,690.00
<i>DIVISION OF PUBLICATIONS.</i>								
<i>Salaries, Division of Publications—</i>								
One editor, who shall be chief of division.....	May 23, 1908	R. S. 35	87 263	522-3 1	3,000.00			
<p>NOTE.—The following places are transferred to the lump fund:            one editor, who shall be assistant chief of division, \$2,250            one associate editor, 2,000            one assistant in charge of indexing, 1,800            Four assistant editors, at \$1,600 each, 6,400            Two editorial clerks, at \$1,400 each, 2,800            One assistant in charge of illustration, 2,000            One draftsman or photographer, 1,500            Two draftsmen or photographers, at \$1,400 each, 2,800            one draftsman or photographer, 1,200</p>								
One chief clerk.....	Same acts.....				2,000.00			
One assistant in charge of document section.....	do.....				2,000.00			
One assistant in document section.....	do.....				1,600.00			
<p>NOTE.—One assistant in document section, at \$1,600, dropped (included as clerk, class two).</p>								
One foreman, miscellaneous distribution (in lieu of one foreman, document section, dropped).....	do.....				1,400.00			
<p>NOTE.—One foreman, document section, at \$1,400, dropped (included as foreman, miscellaneous distribution).</p>								
One foreman, farmers' bulletin distribution.....	do.....				1,200.00			
Two forewomen, at \$1,200 each.....	do.....				2,400.00			
One clerk, class two (in lieu of one assistant in document section, at \$1,400, dropped).....	do.....				1,400.00			
Five clerks, class one.....	do.....				6,000.00			
Ten clerks, at \$1,000 each (increase of three submitted).....	do.....				10,000.00			
Ten clerks, at \$900 each (increase of seven submitted).....	do.....				9,000.00			
Twenty-five clerks, at \$840 each (increase of nine submitted).....	do.....				21,000.00			
Thirty-two clerks, at \$720 each (increase of three submitted).....	do.....				23,040.00			
<p>NOTE.—Twenty-one clerks, at \$600 each, dropped, and one photographer, at \$1,200, and one assistant photographer, at \$840, transferred to the lump fund.</p>								

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>Salaries, Division of Publications—Continued.</i>							
One chief folder-----	May 23, 1908	R. S. 35	87 263	522-3 1	\$1,000.00		
One folder-----	Same acts-----				900.00		
Three folders, at \$840 each-----	do-----				2,520.00		
One skilled laborer (by transfer from lump fund)-----	do-----				900.00		
Fifteen skilled laborers, at \$840 each (increase of five submitted; three by transfer from lump fund)-----	do-----				12,600.00		
Fifteen skilled laborers, at \$780 each-----	Submitted-----				11,700.00		
Twenty skilled laborers, at \$720 each (increase of twelve submitted; five by transfer from lump fund)-----	May 23, 1908	R. S. 35	87 263	522-3 1	14,400.00		
NOTE.—Twenty skilled laborers, at \$600 each, dropped.							
Two messengers, at \$840 each (increase of one by transfer from lump fund)-----	Same acts-----				1,680.00		
Four messengers, at \$720 each (increase of one by transfer from lump fund)-----	do-----				2,880.00		
Three messengers, at \$600 each-----	do-----				1,800.00		
Two messengers, at \$480 each (by transfer from lump fund)-----	do-----				960.00		
Two messengers, at \$420 each-----	do-----				840.00		
Two messenger boys, at \$360 each (increase of one by transfer from lump fund)-----	do-----				720.00		
One fireman-----	do-----				720.00		
Two laborers, at \$660 each (by transfer from lump fund)-----	do-----				1,320.00		
One laborer (by transfer from lump fund)-----	do-----				600.00		
Three charwomen, at \$480 each (by transfer from lump fund)-----	do-----				1,440.00		
Four charwomen, at \$240 each (by transfer from lump fund)-----	do-----				960.00		
NOTE.—Three clerks, at \$1,000 each, seven clerks, at \$900 each, nine clerks, at \$840 each, three clerks, at \$720 each, two skilled laborers, at \$840 each, fifteen skilled laborers, at \$780 each, and seven skilled laborers, at \$720 each, have been added, amounting to \$37,440, and one skilled laborer, at \$900, three skilled laborers, at \$840 each, five skilled laborers, at \$720 each, one messenger, at \$840, one messenger, at \$720, two messengers, at \$480 each, one messenger boy, at \$360, two laborers, at \$660 each, one laborer, at \$600, three charwomen, at \$480 each, and four charwomen, at \$240 each, have also been added by transfer from the lump fund, amounting to \$14,220, a total increase of \$51,660. One editor, at \$2,250, one associate editor, at \$2,000, one assistant in charge of indexing, at \$1,800, four assistant editors, at \$1,600 each, two editorial clerks, at \$1,400 each, one assistant in charge of illustration, at \$2,000, one draftsman or photographer, at \$1,500, two draftsmen or photographers, at \$1,100 each, one draftsman or photographer, at \$1,200, one photographer, at \$1,200, and one assistant photographer, at \$840, have been transferred to the lump fund, amounting to \$24,790, and twenty-one clerks, at \$600 each, and twenty skilled laborers, at \$600 each, have been dropped, amounting to \$24,600, a total decrease of \$49,390, making the apparent increase in the statutory roll \$2,270; but not considering the places transferred to and from the lump fund, the actual increase is \$12,840. In addition there have been a few changes in designations and also a slight rearrangement of the roll.						\$141,980.00	\$139,710.00

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.																																																	
		Vol. or R. S.	Page.	Sec.																																																				
<p><b>Publications, Department of Agriculture—</b> <b>General Expenses, Division of Publications—</b> For the purchase of manuscript for publication; for the preparation, illustration, publication, indexing, and distribution of documents, bulletins, and reports; [for the pay of watchmen and charwomen] for rent [in the city of Washington] and [for the pay of] the employment of editorial assistants, proof readers, indexers, artists, draftsmen, [and] engravers, photographers, [for additional assistants, editorial, proof reading, indexing] and other necessary help in the city of Washington and elsewhere; for official traveling expenses; for [labor and material required in the distribution of documents, including] wagons, harness, and horses, and maintenance of same, [and for repairs]; for [all necessary] office fixtures and supplies, [for tools] instruments, [and] artists' materials, [for] drawings, engravings, electrotypes, photographs, paintings, lithographs, [and other illustration work] [for] gas, [and] electric current, telegraph and telephone services, and [for such] all other necessary expenses [as may be necessary], [forty thousand] seventy thousand dollars.</p> <p>NOTE 1.—Apparent increase \$30,000, but deducting the net increase in salaries of employees transferred to and from the statutory roll, amounting to \$10,570, the actual increase in the appropriation is \$19,430. This increase is recommended for additional labor, material, and supplies to meet the constantly increasing requirements in the mailing of documents and in the photographic work, both of which are being centralized in this division.</p> <p>NOTE 2.—The titles of the principal items provided for above, and the approximate amounts of expenditure contemplated thereunder, are as follows:</p> <table><tr><td>Salaries .....</td><td>\$39,000</td></tr><tr><td>Rent of document section building .....</td><td>5,000</td></tr><tr><td>Addressing machines and supplies for same .....</td><td>5,000</td></tr><tr><td>Envelopes, wrapping paper, and cord for distribution of documents .....</td><td>11,500</td></tr><tr><td>Photographic and artists' supplies .....</td><td>5,000</td></tr><tr><td>Stationery, furniture, typewriters, etc. ....</td><td>3,275</td></tr><tr><td>Electric current, gas, and telephones .....</td><td>925</td></tr><tr><td>Purchase of horse and wagon .....</td><td>300</td></tr><tr><td>Total .....</td><td>70,000</td></tr></table> <p>NOTE 3.—Salaries of messengers, laborers, charwomen, etc., carried on the lump fund named below on August 15, 1908.</p> <p>PUBLICATIONS, DEPARTMENT OF AGRICULTURE.</p> <table><tr><td>In Washington—</td><td></td></tr><tr><td>One assistant photographer .....</td><td>\$1,200</td></tr><tr><td>One assistant in illustrations .....</td><td>720</td></tr><tr><td>One messenger .....</td><td>840</td></tr><tr><td>One messenger .....</td><td>720</td></tr><tr><td>Two messengers, at \$180 each .....</td><td>360</td></tr><tr><td>One messenger boy .....</td><td>900</td></tr><tr><td>One skilled laborer .....</td><td>2,520</td></tr><tr><td>Three skilled laborers, at \$840 each .....</td><td>2,580</td></tr><tr><td>Four skilled laborers, at \$720 each .....</td><td>600</td></tr><tr><td>One skilled laborer .....</td><td>1,320</td></tr><tr><td>Two laborers, at \$660 each .....</td><td>480</td></tr><tr><td>One laborer .....</td><td>1,140</td></tr><tr><td>Three charwomen, at \$480 each .....</td><td>960</td></tr><tr><td>Four charwomen, at \$240 each .....</td><td></td></tr><tr><td>Total .....</td><td>15,900</td></tr></table> <p>Total for Division of Publications, including statutory salaries .....</p>	Salaries .....	\$39,000	Rent of document section building .....	5,000	Addressing machines and supplies for same .....	5,000	Envelopes, wrapping paper, and cord for distribution of documents .....	11,500	Photographic and artists' supplies .....	5,000	Stationery, furniture, typewriters, etc. ....	3,275	Electric current, gas, and telephones .....	925	Purchase of horse and wagon .....	300	Total .....	70,000	In Washington—		One assistant photographer .....	\$1,200	One assistant in illustrations .....	720	One messenger .....	840	One messenger .....	720	Two messengers, at \$180 each .....	360	One messenger boy .....	900	One skilled laborer .....	2,520	Three skilled laborers, at \$840 each .....	2,580	Four skilled laborers, at \$720 each .....	600	One skilled laborer .....	1,320	Two laborers, at \$660 each .....	480	One laborer .....	1,140	Three charwomen, at \$480 each .....	960	Four charwomen, at \$240 each .....		Total .....	15,900	May 23, 1908	35	263	1	\$70,000.00	\$40,000.00
Salaries .....	\$39,000																																																							
Rent of document section building .....	5,000																																																							
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Total .....	15,900																																																							
						211,980.00	179,710.00																																																	
BUREAU OF STATISTICS.																																																								
Salaries, Bureau of Statistics—																																																								
One statistician, who shall be chief of Bureau .....	May 23, 1908	R. S. 35	87 264	522-3 1	\$3,500.00																																																			
One assistant statistician, who shall be assistant chief of Bureau .....	Same acts				2,500.00																																																			
One chief clerk .....	do				1,800.00																																																			
Six clerks, class four .....	do				10,800.00																																																			
Nine clerks, class three .....	do				14,400.00																																																			



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>Salaries, Bureau of Statistics—Continued.</i>							
Twelve clerks, class two -----	May 23, 1908	R. S. 35	87 264	522-3 1	\$16,800.00		
Two clerks, at \$1,300 each -----	Same acts -----				2,600.00		
Sixteen clerks, class one (increase of two by transfer from lump fund) -----	do -----				19,200.00		
Ten clerks, at \$1,000 each (increase of two submitted, one by transfer from lump fund) -----	do -----				10,000.00		
Six clerks, at \$900 each (increase of two submitted, one by transfer from lump fund) -----	do -----				5,400.00		
Five clerks, at \$840 each (increase of one submitted) -----	do -----				4,200.00		
Ten clerks, at \$720 each -----	do -----				7,200.00		
NOTE.—Six clerks, at \$600 each, dropped.							
Two messengers, at \$840 each -----	do -----				1,680.00		
One messenger (by transfer from lump fund) -----	do -----				660.00		
One messenger (by transfer from lump fund) -----	do -----				480.00		
Two laborers, at \$720 each (by transfer from lump fund) ..	do -----				1,440.00		
One laborer (by transfer from lump fund) -----	do -----				660.00		
One charwoman (by transfer from lump fund) -----	do -----				540.00		
Two charwomen, at \$360 each (by transfer from lump fund) -----	do -----				720.00		
NOTE.—One clerk, at \$1,000, one clerk, at \$900, and one clerk, at \$840, have been added, an increase of \$2,740; then, deducting six clerks, at \$600 each, dropped, the net decrease is \$860; adding to this two clerks of class one, one clerk, at \$1,000, one clerk, at \$900, one messenger, at \$660, one messenger, at \$480, two laborers, at \$720 each, one laborer, at \$660, one charwoman, at \$540, and two charwomen at \$360 each, by transfer from the lump fund, amounting to \$8,800, the apparent increase in the statutory roll is \$7,940, but not considering the places amounting to \$8,800, transferred from the lump fund, the actual decrease is \$860.						\$104,580.00	\$96,640.00
<b>【Collecting Agricultural Statistics—】</b> <i>General Expenses, Bureau of Statistics—</i> For collecting domestic and foreign agricultural statistics, compiling, writing, and illustrating statistical matter for monthly, annual, and special reports, and for special investigations and compilations; for the purchase of supplies; for telegraph and telephone service, freight and express charges, rent and the employment of labor in the city of Washington and elsewhere, and official traveling and other necessary expenses: Provided, That hereafter the monthly crop reports, which shall be gathered as far as practicable from practical farmers and which shall be issued on or before the tenth of each month, shall embrace statements of the conditions of the crops by States, in the United States, with such explanations, comparisons, and information as may be useful for illustrating the above matter, and that it shall be submitted to and officially approved by the Secretary of Agriculture before being issued or published: Provided further, That hereafter the condition reports of the cotton crop shall be issued on the same day in October each year as the first ginner's report of actual cotton ginned, [one hundred and twenty-five thousand] one hundred and thirty-six thousand two hundred dollars -----							
	May 23, 1908	35	264	1		136,200.00	125,000.00

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			

**Collecting Agricultural Statistics—Continued.**  
*General Expenses, Bureau of Statistics—Continued.*

NOTE 1.—Apparent increase \$11,200, but adding the saving in salaries of twelve employees transferred to the statutory roll amounting to \$8,800, the actual increase is \$20,000, and is needed particularly for the purpose of extending and perfecting the special field service. The traveling of State statistical agents within their respective States, and to Washington, for conferences and service on crop-reporting boards, has been found to be advantageous, and it is desired to continue and extend this method of investigation. It is also important to continue and extend investigations in connection with improved methods of securing data relative to acreages and the production of tobacco by types. Several verbal changes have also been made in the wording of the law.

NOTE 2.—The titles of the principal items provided for above, and the approximate amounts of expenditure contemplated thereunder, are as follows:

*Executive and administrative.*

Salaries in Washington, officials, scientists, and laborers; for special investigations and compilations, and administrative work.....	\$12,540	
Traveling expenses of officials and specialists in connection therewith.....	3,100	
Supplies.....	11,000	
Telegraph and telephone service, freight and express charges.....	1,000	\$27,940

*Special field agents.*

Twenty special field agents, each assigned to separate territory including several States, over which they travel continuously, making separate reports each month for each State covered:

Salaries.....	34,800	
Traveling expenses.....	29,710	64,510

*State statistical agents.*

Forty-four State statistical agents:		
Salaries.....	26,600	
Traveling expenses.....	7,000	33,500

*Special European agent.*

One special European agent:		
Salary.....	2,250	
Traveling expenses.....	1,500	3,750

*Cooperative work with the Minnesota experiment station.*

In the collection of data concerning the cost of producing farm products.....	2,500	
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*Statistics of agriculture.*

Statistics of agriculture in connection with rural schools.....	3,000	
---	-------	--

*Statistics of uses of farm products.*

Investigations of improved methods of securing statistics of acreages of farm products.....	1,000	
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Total.....	136,200	
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NOTE 3.—Salaries of associate statistician, special field agents, State statistical agents, laborers, etc., carried on the lump fund named below on August 15, 1908.

COLLECTING AGRICULTURAL STATISTICS.

*In Washington—*

One associate statistician.....	\$3,000
One statistical expert.....	3,000
One statistical expert.....	2,500
One statistical expert.....	1,800
One assistant.....	1,200
Two clerks, at \$1,200 each.....	2,400
One clerk.....	1,000
One clerk.....	900
One clerk and special agent.....	810
One messenger.....	660
One messenger.....	480
One skilled laborer.....	720
One laborer.....	720
One watchman.....	660
One charwoman.....	540
Two charwomen, at \$480 each.....	960
One carpenter, temporary, at \$4 per diem (150 days).....	600

Total.....	21,280
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*Out of Washington—*

Two special field agents, at \$2,250 each.....	4,500
Four special field agents, at \$2,000 each.....	8,000
One special agent.....	2,000

[illegible]



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.										
		Vol. or R. S.	Page.	Sec.													
<p><b>[Library, Department of Agriculture]—Continued.</b> <b>General Expenses, Library—Continued.</b> the Revised Statutes shall not apply to the subscriptions for publications for the Department of Agriculture, and the Secretary of Agriculture is authorized to pay in advance for any publications for the use of this Department. [And hereafter the Secretary of Agriculture may furnish to such institutions or individuals as may care to buy them, copies of the card index of the publications of the Department and of other agricultural literature prepared by the library, and charge for the same a price covering the additional expense involved in the preparation of these copies] -----</p> <p>NOTE 1.—Apparent increase of \$1,000, but adding the saving in salary of one charwoman at \$180, transferred to the statutory roll, the actual increase is \$1,180, and is recommended in order that the Library may keep pace with the growth and work of the Department and more adequately meet the increasing demands that are made upon it. Several verbal changes have been made in the language of the law, and the word "hereafter" has been added to the proviso in regard to section 3548 of the Revised Statutes, so as to make it permanent legislation.</p> <p>NOTE 2.—The titles of the principal items provided for above, and the approximate amounts of expenditure contemplated thereunder, are as follows:</p> <table><tr><td>Books.....</td><td>\$11,000</td></tr><tr><td>Periodicals and serials.....</td><td>4,500</td></tr><tr><td>Library cards.....</td><td>300</td></tr><tr><td>Miscellaneous supplies, furniture, etc.....</td><td>700</td></tr><tr><td>Total.....</td><td>16,500</td></tr></table> <p>NOTE 3.—Salary of employee carried on the lump fund named below on August 15, 1908.</p> <p>LIBRARY, DEPARTMENT OF AGRICULTURE.</p> <p>In Washington— One charwoman..... \$180</p> <p>Total for Library, including statutory salaries -----</p> <p>CONTINGENT EXPENSES.</p> <p><b>Contingent Expenses, Department of Agriculture—</b> For [Purchase of] stationery, blank books, twine, paper, gum, dry goods, soap, brushes, brooms, mats, oils, paints, glass, lumber, hardware, ice, fuel, water and gas pipes, heating apparatus, furniture, carpets, and matting; for lights, freight, express charges, advertising, telegraphing, telephoning, postage, washing towels, and necessary repairs and improvements to buildings and heating apparatus; for rent in the District of Columbia [not to exceed eight thousand dollars]; [for the construction of a suitable building for shops, stables, and storage, including labor and other expenses, work to be done under the supervision of the Secretary of Agriculture, not to exceed twenty-five thousand dollars]; for the purchase, subsistence, and care of horses [for official purposes only] and the purchase and repair of harness [the purchase and repair of] and vehicles, for official purposes only; for the payment of duties on imported articles, and the Department of Agriculture's proportionate share of the expense of the dispatch agent in New York [not to exceed four hundred dollars]; for official traveling expenses; and for other miscellaneous supplies and expenses not otherwise provided for, and necessary for the practical and efficient work of the Department, [including not to exceed two thousand five hundred dollars for postage], [eighty-six thousand and two hundred] seventy thousand dollars -----</p> <p>NOTE 1.—Apparent decrease \$16,200, but omitting the provision of \$25,000 for the construction of a suitable building for shops, stables, and storage, which work will be completed during the present fiscal year, the actual increase is \$8,800. This amount is absolutely necessary to meet the increased demands against this fund due to the growth of the Department, the increased cost of supplies, and the fact that several more buildings which have been added to the group of buildings owned by the Government will require repairs from time to time. Several verbal changes have also been made in the wording of the law.</p>	Books.....	\$11,000	Periodicals and serials.....	4,500	Library cards.....	300	Miscellaneous supplies, furniture, etc.....	700	Total.....	16,500	May 23, 1908	35	264-5	1	-----	\$16,500. 00	\$15,500. 00
Books.....	\$11,000																
Periodicals and serials.....	4,500																
Library cards.....	300																
Miscellaneous supplies, furniture, etc.....	700																
Total.....	16,500																
						36,660. 00	33,580. 00										
					</												

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>Contingent Expenses, Department of Agriculture—Continued.</i>							
NOTE 2.—The principal items of expenditure and the amounts contemplated thereunder are as follows:							
Ice.....	\$2,500						
Gas for light and laboratory purposes.....	1,900						
Fuel.....	14,000						
Electric current for light and power.....	9,000						
Postage.....	8,000						
Telegraphing and telephoning.....	1,000						
Freight, express, and drayage.....	230						
Washing towels and cleaning carpets.....	650						
Horses and forage; carriages, vehicles, harness, and repairs to same.....	3,000						
Rent of buildings.....	10,000						
Repairs to Government buildings and heating apparatus.....	5,000						
Traveling expenses.....	1,500						
Stationery, furniture, and other miscellaneous expenses.....	18,220						
Total.....	70,000						
OFFICE OF EXPERIMENT STATIONS.							
<i>Salaries, Office of Experiment Stations.</i>							
One director.....	{ May 23, 1908	R. S. 35	87 265-6	522-3 1	{	\$3,500.00	
One chief clerk.....	Same acts.....					1,800.00	
One clerk and proof reader.....	do.....					1,600.00	
Five clerks, class two.....	do.....					7,000.00	
Five clerks, class one (increase of one by transfer from lump fund for general expenses).....	do.....					6,000.00	
Five clerks, at \$1,000 each.....	do.....					5,000.00	
Three clerks, at \$900 each (increase of one subnitted).....	do.....					2,700.00	
Five clerks, at \$840 each (increase of one by transfer from lump fund for irrigation).....	do.....					4,200.00	
One clerk or messenger.....	do.....					840.00	
Two messengers or caretakers, at \$720 each (increase of one by transfer from lump fund for irrigation).....	do.....					1,440.00	
Three clerks or messengers, at \$600 each (one in lieu of one messenger, at \$600 dropped, and two by transfer from the lump funds for nutrition and irrigation).....	do.....					1,800.00	
NOTE.—One messenger, at \$600, dropped (included in clerks or messengers, at \$600).	do.....					480.00	
One messenger or laborer.....	do.....						
NOTE.—Two messengers, at \$480 each, dropped.	do.....					720.00	
One copyist or laborer.....	do.....						
Four laborers or charwomen, at \$480 each (increase of one by transfer from lump fund for irrigation).....	do.....					1,920.00	
Two laborers or charwomen, at \$240 each (by transfer from lump fund for irrigation).....	do.....					480.00	
						\$39,480.00	\$34,620.00
NOTE.—One clerk at \$900 has been added; then deducting two messengers, at \$480 each, dropped, the net decrease is \$60; adding to this one clerk, class one, one clerk, at \$840, two clerks or messengers, at \$600 each, one messenger or caretaker, at \$720, one laborer or charwoman, at \$480, and two laborers or charwomen, at \$240 each, transferred from the lump funds, amounting to \$4,920, the apparent increase in the statutory roll is \$1,860, but not considering the places amounting to \$4,920, transferred from the lump funds, the actual decrease is \$60.							

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<b>[Agricultural Experiment Stations]—</b> <b>General Expenses, Office of Experiment Stations—</b> To carry into effect the provisions of an Act approved March second, eighteen hundred and eighty-seven, entitled "An Act to establish agricultural experiment stations in connection with the colleges established in the several States under the provisions of an Act approved July second, eighteen hundred and sixty-two, and of the Acts supplementary thereto," [and to enforce the execution thereof, eight hundred and thirty-three thousand] <i>seven hundred and twenty thousand</i> dollars, and the sums apportioned to the several States and Territories shall be paid quarterly in advance; [thirty thousand dollars of which sum shall be payable upon the order of] <i>to enable the Secretary of Agriculture [to enable him] to [carry out] enforce the provisions of the above [section three of said] Act [of March second, eighteen hundred and eighty-seven], and of a supplementary [and to carry out the provisions of sections two, four, and five of an] Act approved March sixteenth, nineteen hundred and six, entitled "An Act to provide for an increased annual appropriation for agricultural experiment stations and regulating the expenditure thereof," relative to their administration, thirty-four thousand eight hundred dollars, [and the Secretary of Agriculture is hereby authorized to] including rent [offices] and the employment [to employ such] of clerks, assistants, and other persons [as he may deem necessary] in the city of Washington and elsewhere, [and to incur such other expenses for] freight and express charges, official traveling expenses, office fixtures, [and] supplies, [stationery] apparatus, telegraph and telephone service, gas, and electric current, [illustration of the Experiment Station Record, bulletins, and reports, as he may find essential in carrying out the objects of the above Acts]; and he [the Secretary of Agriculture] shall prescribe the form of the annual financial statement required [by section three of said Act of March second, eighteen hundred and eighty-seven] under the above Acts, [shall] ascertain whether the expenditures [under the appropriation hereby made] are in accordance with [the] their provisions [of said Act], and [shall] make report thereon to Congress; [And the Secretary of Agriculture hereafter may furnish to such institutions or individuals as may care to buy them copies of the card index of agricultural literature prepared by the Office of Experiment Stations, and charge for the same a price covering the additional expense involved in the preparation of these copies, the money received from such sales to be deposited in the Treasury of the United States as miscellaneous receipts] and also to enable the Secretary of Agriculture [is hereby authorized to expend eighty-three thousand dollars of said sum] to establish and maintain agricultural experiment stations in Alaska, Hawaii, Porto Rico, and the Island of Guam, including the erection of buildings, the preparation, [printing in Hawaii and Porto Rico] illustration, and distribution of reports and bulletins, and all other necessary expenses, ninety-nine thousand dollars, as follows: Alaska, twenty-eight thousand dollars; Hawaii, twenty-eight thousand dollars; Porto Rico, twenty-eight thousand dollars; and Guam, fifteen thousand dollars [Provided, That not more than five thousand dollars shall be expended at Guam, and not more than twenty-six thousand dollars shall be expended for the maintenance of stations in either Alaska, Hawaii, or Porto Rico]; and hereafter the Secretary of Agriculture is authorized to sell such products as are obtained on the land belonging to the agricultural experiment stations in Alaska, Hawaii, Porto Rico, and the Island of Guam, and to apply the money received from the sale of such products to the maintenance of said stations, and this fund shall be available until used [in all eight hundred and thirty-three thousand dollars]; to enable the Secretary of Agriculture to investigate and report upon the organization and progress of farmers' institutes and agricultural schools in the several States and Territories, and upon similar organizations in foreign countries.         </i>	July 2, 1862	12	503	1	-----	\$863, 800. 00	\$843, 000. 00
	Mar. 2, 1887	24	440	1-10			
	June 7, 1888	25	176	1			
	July 18, 1888	25	334	1			
	Mar. 16, 1906	34	63	2-3			
	May 23, 1908	35	265-6	1			



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<b>[Agricultural Experiment Stations]—Continued.</b>							
<i>General Expenses, Office of Experiment Stations—Continued.</i>							
tries, with special suggestions of plans and methods for making such organizations more effective for the dissemination of the results of the work of the Department of Agriculture and the agricultural experiment stations, and of improved methods of agricultural practice, including rent and the employment of labor in the city of Washington and elsewhere, and all other necessary expenses, ten thousand dollars; in all, eight hundred and sixty-three thousand eight hundred dollars.							
<p>NOTE 1.—Apparent increase, \$20,800, but adding the saving in salaries of place transferred to the statutory roll, amounting to \$1,200, the actual increase is \$22,000. Six thousand dollars of this amount is to provide for meeting the general growth of the business of the office in its relations with the agricultural experiment stations, and for extending the summaries of the reports of the agricultural experiment stations and kindred institutions at home and abroad in the Experiment Station Record and Farmers' Bulletins in order that farmers, students, and our investigators may be more fully informed regarding the progress of agricultural research; \$6,000 is to extend the investigations of the Alaska, Hawaii, and Porto Rico experiment stations by giving them the same financial support for maintenance as is given by the acts of Congress to the States and Territories generally; and \$10,000 is to provide needed buildings and equipment, in addition to maintenance for the experiment station recently established in the Island of Guam. The wording of the appropriation has also been rearranged and several minor changes have been made.</p> <p>NOTE 2.—The titles of the principal items provided for above, and the approximate amounts of expenditure contemplated thereunder, are as follows:</p>							
Allotments to agricultural experiment stations in 48 States and Territories under Act of March 2, 1887 (\$15,000 each).....	\$720,000						
Office of experiment stations—administration, supervision of funds granted to State experiment stations, preparation of experiment station record, reports, bulletins, etc.:							
Salaries.....	\$27,500						
Travel.....	3,500						
Miscellaneous expenses, including temporary assistants, supplies, etc..	3,800						
	34,800						
Alaska Experiment Stations:							
Salaries.....	11,500						
Travel.....	2,000						
Labor.....	7,000						
Miscellaneous expenses—live stock, feeding stuffs, fertilizers, seed, freight, express, implements, apparatus, laboratory supplies, repairs, etc.....	7,400						
	28,000						
Hawaii Experiment Station:							
Salaries.....	16,350						
Travel.....	900						
Labor.....	5,200						
Miscellaneous expenses—live stock, feeding stuffs, fertilizers, seed, freight, express, implements, apparatus, office and laboratory supplies, repairs, etc.....	5,550						
	28,000						
Porto Rico Experiment Station:							
Salaries.....	13,500						
Travel.....	1,000						
Labor.....	6,500						
Miscellaneous expenses—live stock, feeding stuffs, fertilizers, seed, freight, express, implements, apparatus, office and laboratory supplies, repairs, etc.....	7,000						
	28,000						
Guam Experiment Station:							
Miscellaneous expenses, including salaries, travel, labor, buildings, and equipment for the newly established station.....	15,000						
	15,000						
Farmers' Institutes and Agricultural Schools:							
Collection and dissemination of information upon their progress and plans for furthering their efficiency:							
Salaries.....	7,850						
Travel.....	1,500						
Miscellaneous expenses, including temporary assistants and supplies.....	650						
	10,000						
Total .....	863,800						

NOTE 3.—Salaries of assistant director, scientific assistants, special agents, etc., carried on the lump fund named below on August 15, 1908.

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1908.
		Vol. or P. S.	Page.	Sec.			
<i>(Agricultural Experiment Stations)--Continued.</i>							
<i>General Expenses, Office of Experiment Stations--Continued.</i>							
AGRICULTURAL EXPERIMENT STATIONS.							
In Washington—							
One assistant director and editor of experiment station record .....	\$3,000						
One chief editorial division and expert in soil physics.....	2,500						
One chief of division of insular stations and expert in botany.....	2,500						
One assistant agriculturist.....	2,000						
One editorial assistant.....	1,600						
One scientific assistant.....	1,500						
One scientific assistant.....	1,400						
One editorial assistant.....	1,200						
One scientific assistant.....	1,200						
One clerk, class one.....	720						
One library assistant.....	300						
One collaborator.....							
Total.....	19,120						
FARMERS' INSTITUTES.							
One farmers' institute specialist.....	2,250						
One specialist in agricultural education.....	2,200						
One scientific assistant.....	1,800						
Total.....	6,250						
Out of Washington—							
ALASKA EXPERIMENT STATIONS.							
One special agent.....	3,000						
One expert.....	2,000						
Three agents, at \$1,500 each.....	4,500						
One agent and expert.....	1,200						
One agent.....	900						
Total.....	11,600						
HAWAII EXPERIMENT STATION.							
One special agent.....	3,000						
One agent, expert, and collaborator.....	2,250						
One scientific assistant.....	2,000						
One expert in agriculture.....	2,000						
One expert.....	1,500						
One scientific assistant.....	1,200						
One expert in horticulture.....	1,200						
One agent.....	1,200						
One typewriter.....	1,000						
One scientific assistant.....	900						
One stenographer and typewriter.....	720						
Total.....	17,770						
PORTO RICO EXPERIMENT STATION.							
One special agent.....	3,500						
One scientific assistant in horticulture.....	1,800						
One plant pathologist and entomologist.....	1,600						
One assistant animal husbandman.....	1,500						
One scientific assistant in chemistry.....	1,400						
One stenographer and typewriter.....	900						
One agent and expert.....	480						
Total.....	11,180						
GUAM EXPERIMENT STATION.							
One agent.....	1,200						
One collaborator.....	120						
Total.....	1,320						
Nutrition Investigations—							
[For setting up and completing all apparatus now the property of the Government and used in the nutrition investigations, and for preparing for publication results already obtained, seven thousand dollars, or so much thereof as may be necessary.] To enable the Secretary of Agriculture to investigate the nutritive value of agricultural products used for human food, with special suggestions of plans and methods for the more effective utilization of such products for this purpose, with the co-operation of the other bureaus of the Department, and to disseminate useful information on this subject, including rent and the employment of labor in the city of Washington and elsewhere, and all other necessary expenses, ten thousand dollars							
NOTE 1.—Apparent increase, \$3,000, but adding the saving in salary of one place transferred to the statutory roll, amounting to							
May 23, 1908	35	266	1		\$10,000.00	\$7,000.00	

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt. required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.																
		Vol. or R. S.	Page.	Sec.																			
<b>Nutrition Investigations—Continued.</b>																							
<p>\$600, the actual increase is \$3,600. The increase and changes in wording of the appropriation are recommended to provide for the continuance of investigations and reports on the nutritive value of agricultural products, especially cereals, meats, dairy products, fruits, and nuts, with the view to their more effective utilization in the household, educational and other institutions, and for experiments with the respiration calorimeter now being installed in the new Department building at Washington, in co-operation with other branches of the Department.</p> <p>NOTE 2.—The titles of the principal items provided for above, and the approximate amounts of expenditure contemplated thereunder, are as follows:</p> <p>Investigations on the nutritive value of agricultural products, especially cereals, meats, dairy products, fruits, nuts, and for experiments with the respiration calorimeter—</p> <table><tr><td>Salaries.....</td><td>\$7,200</td></tr><tr><td>Travel.....</td><td>500</td></tr><tr><td>Miscellaneous expenses, including temporary assistants in calorimeter experiments, chemicals, materials and office supplies.....</td><td>2,300</td></tr><tr><td>Total.....</td><td>10,000</td></tr></table> <p>NOTE 3.—Salaries of nutrition expert, assistant, and clerk carried on the lump fund below on August 15, 1908.</p> <p>NUTRITION INVESTIGATIONS.</p> <p>In Washington—</p> <table><tr><td>One nutrition expert.....</td><td>\$2,400</td></tr><tr><td>One assistant.....</td><td>2,000</td></tr><tr><td>One clerk.....</td><td>600</td></tr><tr><td>Total.....</td><td>5,000</td></tr></table>								Salaries.....	\$7,200	Travel.....	500	Miscellaneous expenses, including temporary assistants in calorimeter experiments, chemicals, materials and office supplies.....	2,300	Total.....	10,000	One nutrition expert.....	\$2,400	One assistant.....	2,000	One clerk.....	600	Total.....	5,000
Salaries.....	\$7,200																						
Travel.....	500																						
Miscellaneous expenses, including temporary assistants in calorimeter experiments, chemicals, materials and office supplies.....	2,300																						
Total.....	10,000																						
One nutrition expert.....	\$2,400																						
One assistant.....	2,000																						
One clerk.....	600																						
Total.....	5,000																						
<b>Irrigation and Drainage Investigations—</b>																							
<p>To enable the Secretary of Agriculture to investigate and report upon the laws of the States and Territories as affecting irrigation and the rights of appropriators, and of riparian proprietors and institutions relating to irrigation, and upon the use of irrigation waters, at home and abroad, with especial suggestions of the best methods for the utilization of irrigation waters in agriculture, and upon plans for the removal of seepage and surplus waters by drainage, and upon the use of different kinds of power and appliances for irrigation and drainage, and for the preparation [printing] and illustration of reports and bulletins on irrigation and drainage, including rent and the employment of labor in the city of Washington [or] and elsewhere, and all necessary expenses, [one hundred and fifty thousand] one hundred and fifty-six thousand eight hundred and eighty dollars.</p>																							
<p>NOTE 1.—Apparent increase \$6,880, but, adding the saving in salaries of places transferred to the statutory roll, amounting to \$3,120, the actual increase is \$10,000, and is recommended to extend investigations leading to the formulation of plans for the drainage of swamp lands which may be used for agriculture. Several verbal changes have also been made in the wording of the appropriation.</p> <p>NOTE 2.—The titles of the principal items provided for above, and the approximate amounts of expenditure thereunder, are as follows:</p> <p>Investigations in irrigation practice, experiments on the use and economy of irrigation waters; collecting and distributing practical information; studies on the operation of irrigation laws and institutions; the use of power for irrigation; investigations in the drainage of agricultural lands; conducting experiments and rendering expert and scientific assistance to land owners in the various sections of the country—</p> <p>Experiments to work out improvements in irrigation practice..... \$15,000</p> <p>Studies of irrigation practice, collection of information, preparation of practical bulletins and advice to farmers..... 20,000</p> <p>Irrigation extension into the semiarid sections..... 12,000</p> <p>Studies of operation of irrigation laws and institutions..... 4,000</p> <p>Use of power for irrigation..... 4,000</p> <p>Irrigation in Eastern States..... 1,000</p> <p>Drainage investigations of irrigated lands in arid regions..... 10,000</p> <p>Drainage investigations in Mississippi Valley..... 18,000</p> <p>Drainage investigations in southeast Gulf States..... 14,000</p> <p>Drainage investigations in Atlantic States..... 14,000</p> <p>Drainage investigations in North Central and Lake States..... 8,000</p> <p>Special scientific examinations having a bearing upon the solution of drainage problems..... 6,000</p> <p>Administration, preparation, and printing of reports and bulletins, instruments, miscellaneous supplies, etc..... 27,880</p> <p>Total..... 156,880</p>																							
	May 23, 1908	35	266	1	-----	\$156,880.00	\$150,000.00																



General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<b>Irrigation and Drainage Investigations—Continued.</b>							
NOTE 3.—Salaries of chiefs of irrigation and drainage investigations, engineers, assistants, experts, agents, etc., carried on the lump fund named below on August 15, 1908.							
IRRIGATION INVESTIGATIONS.							
<i>In Washington—</i>							
One chief, irrigation investigations.....	\$3,000.00						
One chief, drainage investigations.....	3,000.00						
One editorial assistant.....	2,400.00						
One supervising drainage engineer.....	2,250.00						
One supervising drainage engineer.....	2,200.00						
One computer.....	1,800.00						
One draftsman.....	1,800.00						
One scientific assistant.....	1,600.00						
One editorial assistant.....	1,200.00						
One scientific assistant.....	1,200.00						
One office engineer.....	1,200.00						
One clerk.....	810.00						
One clerk.....	600.00						
One chorwoman.....	480.00						
Two chorwomen, at \$240 each.....	480.00						
One watchman.....	720.00						
Total.....	24,770.00						
<i>Out of Washington—</i>							
Two irrigation managers, at \$2,250 each.....	4,500.00						
Two supervising drainage engineers, at \$2,000 each.....	4,000.00						
Two irrigation managers, at \$2,000 each.....	4,000.00						
Two irrigation engineers, at \$2,000 each.....	4,000.00						
Three irrigation engineers, at \$1,800 each.....	5,400.00						
One drainage engineer.....	1,800.00						
One irrigation manager.....	1,800.00						
One expert.....	1,800.00						
One drainage engineer.....	1,600.00						
One agent and expert.....	1,600.00						
Two scientific assistants, at \$1,600 each.....	3,200.00						
One agent.....	1,500.00						
Three scientific assistants, at \$1,500 each.....	4,500.00						
One irrigation farmer.....	1,500.00						
One irrigation engineer.....	1,500.00						
One expert.....	1,500.00						
One expert machinician.....	1,500.00						
Six scientific assistants, at \$1,200 each.....	7,200.00						
One agent and expert.....	1,200.00						
One agent.....	1,200.00						
One clerk.....	1,200.00						
Eight agents, at \$1,200 each.....	9,600.00						
One agent.....	1,080.00						
Two irrigation farmers, at \$1,000 each.....	2,000.00						
Six agents, at \$900 each.....	5,400.00						
One agent.....	720.00						
One agent.....	601.00						
One irrigation engineer, at \$10 per diem (100 days).....	1,000.00						
One irrigation engineer, at \$7.50 per diem (36½ days).....	275.00						
One agent, at \$7.50 per diem (53½ days).....	400.00						
One expert, at \$5 per diem (20 days).....	100.00						
One agent, at \$5 per diem (20 days).....	100.00						
One expert, at \$5 per diem (37½ days).....	187.50						
Three agents, at \$3 each per diem (each 33½ days).....	300.00						
Total.....	78,322.50						
Total for office of Experiment Stations, including statutory salaries.....						\$1,070,160.00	\$1,034,620.00
OFFICE OF PUBLIC ROADS.							
<i>Salaries, Office of Public Roads—</i>							
One director, who shall be a scientist and have charge of all scientific and technical work.....	Mar. 3, 1905 May 23, 1908	33 35	822 267	1 1	\$2,750.00		
NOTE.—One chief of records, at \$1,600, dropped (changed to chief clerk).							
One chief clerk (in lieu of one chief of records, at \$1,600, dropped, as above).....	Same acts.....					1,600.00	
NOTE.—One editorial clerk, at \$1,200, dropped (included in clerks of class one).							
Four clerks, class one (increase of two, one in lieu of one editorial clerk, at \$1,200, dropped, as above, and one by transfer from lump fund).....	do.....					4,800.00	
Four clerks, at \$1,000 each (increase of one by transfer from lump fund).....	do.....					4,000.00	
One clerk.....	Submitted.....					900.00	
NOTE.—Two clerks, at \$720 each, dropped.							

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<i>Salaries, Office of Public Roads—Continued.</i>							
Two laborers, at \$600 each (by transfer from lump fund). {	Mar. 3, 1905 May 23, 1908	33 35	882 267	1 1	\$1, 200. 00		
One messenger (by transfer from lump fund).....	Same acts.....				600. 00		
One messenger boy (by transfer from lump fund).....	do.....				360. 00		
NOTE.—One clerk, at \$900, has been added; then deducting two clerks, at \$720 each, dropped, the net decrease is \$540; adding to this one clerk of class one, one clerk, at \$1,000, two laborers, at \$600 each, one messenger, at \$600, and one messenger boy, at \$360, by transfer from the lump fund, amounting to \$4,360, the apparent increase in the statutory roll is \$3,820, but not considering the places amounting to \$4,360, transferred from the lump fund, the actual decrease is \$540. In addition, one chief of records, at \$1,000, has been changed to one of chief clerk at the same salary, and one editorial clerk, at \$1,200, has been changed to one clerk of class one.						\$16, 210. 00	\$12, 390. 00
<i>General Expenses, Office of Public Roads—</i>							
For [To enable the Secretary of Agriculture to make] inquiries in regard to systems of road management [throughout the United States] and [to make] investigations of [in regard to] the best methods of road making, and the best kinds of road-making materials [in the several] throughout the United States; [to investigate] for investigations of the chemical and physical character of road materials; for collating, [digesting] reporting, and illustrating the results of such investigations and experiments, and [for] preparing, publishing, and distributing bulletins and reports; [to furnish] for furnishing expert advice on road building, maintenance, and administration, and [to enable him to assist] assisting the agricultural colleges and experiment stations in disseminating information on this subject; for rent and repairs and [of buildings in the District of Columbia, not to exceed two thousand dollars] [for] the employment of local and special agents [clerks, assistants] and other necessary labor [required] in the city of Washington and elsewhere; for [necessary] office fixtures and supplies, apparatus, [and] materials, fuel, gas, electric current, ice, telegraph and telephone service, and official traveling and other necessary expenses, [seventy-five thousand] one hundred and ten thousand two hundred and forty dollars: Provided, That no part of this appropriation shall be expended for the rent or purchase of road-making machinery.....	May 23, 1908	35	267	1		110, 240. 00	75, 000. 00
NOTE 1.—Apparent increase, \$35,240; but adding the net saving in salaries of places transferred to the statutory roll, amounting to \$4,360, the actual increase is \$39,600. This sum will be distributed among the following projects now under way: Instructions in highway engineering, \$5,500; dust prevention and dustless roads, \$8,900; sand-clay roads, \$4,400; burnt-clay roads, \$4,300; rural delivery roads, \$2,800; model road systems, \$4,100; split-log drag, \$1,500; investigation of slag for roads, \$2,300; special advice and inspection, \$2,800; object-lesson roads, \$1,500; testing of road materials, \$500, and corrosion of iron and steel, \$1,000.							
NOTE 2.—The titles of the principal items provided for above, and the approximate amounts of expenditure contemplated thereunder, are as follows:							
Instruction in highway engineering.....\$12, 050							
Dust prevention and dustless roads.....14, 900							
Sand clay roads.....6, 800							
Burnt clay roads.....4, 300							
Rural delivery roads.....3, 800							
Model road systems.....6, 700							
Split log drag for road maintenance.....2, 500							
Investigation of slag for roads.....3, 300							
Special advice and inspection.....5, 600							
Object lesson roads.....21, 500							
Testing road materials.....5, 800							
Corrosion of iron and steel culverts.....2, 800							
Investigation of road materials in the several States.....900							
Road management and accounting.....7, 000							
Classification of road material.....700							
Lectures, addresses, and papers.....4, 200							
Traction tests.....1, 000							
Rent.....2, 000							
Miscellaneous and other expenses.....4, 390							
Total.....110, 240							
NOTE 3.—Salaries of engineers, experts, special agents, laborers, etc., carried on the lump fund named below on August 15, 1908.							

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.		Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
			Vol. or R. S.	Page.	Sec.			
General Expenses, Office of Public Roads—Continued.								
PUBLIC ROAD INQUIRIES.								
In Washington—								
One assistant director, at \$10 per diem.....	\$2,500							
One chief of road management.....	2,000							
One chief engineer.....	2,500							
One testing engineer.....	1,800							
One assistant chemist.....	1,500							
One chief clerk.....	1,600							
Two experts, at \$1,500 each.....	3,000							
One petrographer.....	1,400							
One instrument maker, at \$1 per diem, when actually employed.....	1,000							
One scientific assistant.....	840							
One laboratory apprentice.....	840							
One messenger.....	600							
One unskilled laborer.....	600							
One laboratory helper.....	540							
One unskilled laborer.....	480							
One messenger boy.....	360							
One clerk.....	1,200							
One clerk.....	900							
Total.....	23,660							
Out of Washington—								
One assistant engineer.....	1,400							
One assistant engineer, at \$5 per diem, when actually employed.....	50							
One consulting engineer, at \$9 per diem, when actually employed.....	135							
One special agent, at \$8 per diem, when actually employed.....	150							
Two special agents, at \$7 per diem each, when actually employed.....	400							
One road expert, at \$8 per diem, when actually employed.....	2+							
One road expert, at \$7 per diem, when actually employed.....	2,100							
One road expert, at \$6 per diem, when actually employed.....	2,000							
Four road experts, at \$1.90 per diem each, when actually employed.....	6,000							
One consulting engineer and road expert, at \$5 per diem, when actually employed.....	150							
One superintendent of road construction, at \$1 per diem, when actually employed.....	1,181							
One expert in cements, at \$7 per diem, when actually employed.....	140							
One assistant highway engineer.....	1,200							
One assistant highway engineer, at \$1 per diem, when actually employed.....	232							
One junior assistant engineer.....	1,000							
One junior assistant engineer.....	900							
Two junior assistant engineers, at \$840 each.....	1,680							
One scientific assistant.....	840							
One assistant in road material laboratory, at \$1.40 per diem, when actually employed.....	1,400							
One expert, at \$1 per diem, when actually employed.....	100							
Five engineer students, at \$600 each.....	3,000							
Total.....	24,181							
Total for office of Public Roads, including statutory salaries.....							\$126,450.00	\$87,390.00
MISCELLANEOUS.								
<p>[Leave of Absence: The employees of the Department of Agriculture, outside of the city of Washington, may hereafter, in the discretion of the Secretary of Agriculture, be granted leave of absence not to exceed fifteen days in any one year, which leave may in exceptional and meritorious cases where such an employee is ill, be extended, in the discretion of the Secretary of Agriculture, not to exceed fifteen days additional in any one year.]</p> <p>NOTE.—The above provision should be omitted, as it is permanent legislation.</p>								
Paper Tests—								
To enable the Secretary of Agriculture to test such plants as may require tests to ascertain if they be suitable for making paper, [Ten thousand] fifteen thousand dollars, or so much thereof as may be necessary, including rent and the employment of labor in the city of Washington [or] and elsewhere, and all other necessary expenses								
		May 23, 1908	35	267	1		15,000.00	10,000.00
NOTE 1.—An increase of \$5,000 is estimated, this amount being necessary for the continuance of the work already begun under								



*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated amt. required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<b>Paper Tests—Continued.</b> this appropriation, which is being expended jointly by the Bureau of Plant Industry and the Forest Service. NOTE 2.—The principal items of expenditure and the amounts contemplated thereunder are as follows:  BY THE BUREAU OF PLANT INDUSTRY.  Investigations of the available supply of paper-making plants, such as corn, flax, rice, cotton, bagasse, and wild plants..... \$2,500 collection of paper-making materials for testing..... 1,500 Physical and microscopical testing of paper-making materials..... 500  BY THE FOREST SERVICE.  Assembling of data on prior experiments on paper-making materials..... 1,000 Semicommercial testing of paper materials..... 6,500 Cooperative testing of materials with paper manufacturers..... 3,000  Total..... 15,000							
<b>[Naval Stores Industry—]</b> <b>[To enable the Secretary of Agriculture to inquire into the destruction of forests by the production of turpentine and resin, and the sources and methods of said industry, and in cooperation with the Bureau of the Census to report upon the production of the naval stores industry, ten thousand dollars, or so much thereof as may be necessary, including the employment of labor in Washington or elsewhere.]</b>	May 23, 1908	35	267	1			\$10,000.00
NOTE.—The above appropriation should be omitted as it is expected that the work will be completed with the amount appropriated for the present fiscal year.							
<b>[National Bison Range—]</b> <b>[The President is hereby directed to reserve and except from the unallotted lands now embraced within the Flathead Indian Reservation, in the State of Montana, not to exceed twelve thousand eight hundred acres of said lands, near the confluence of the Pend d'Oreille and Jocko rivers, for a permanent national bison range for the herd of bison to be presented by the American Bison Society. And there is hereby appropriated the sum of thirty thousand dollars, or so much thereof as may be necessary, to enable the Secretary of the Interior to pay the confederated tribes of the Flathead, Kootenai, and Upper Pend d'Oreille, and such other Indians and persons holding tribal relations or may rightfully belong on said Flathead Indian Reservation, the appraised value of said lands as shall be fixed and determined under the provisions of the Act of Congress approved April twenty-third, nineteen hundred and four, entitled "An Act for the survey and allotment of lands now embraced within the limits of the Flathead Indian Reservation, in the State of Montana, and the sale and disposal of all surplus lands after allotment." And the Secretary of Agriculture is hereby authorized and directed to inclose said lands with a good and substantial fence and to erect thereon the necessary sheds and buildings for the proper care and maintenance of the said bison; and there is hereby appropriated therefor the sum of ten thousand dollars or so much thereof as may be necessary; in all, forty thousand dollars]</b>	May 23, 1908	35	267-8	1			40,000.00
NOTE.—The above appropriation should be omitted as the work will be completed with the amount appropriated for the present fiscal year. Three thousand dollars for the maintenance of the bison range has been included in the appropriations for the Bureau of Biological Survey.							
<i>And hereafter the Secretary of Agriculture is authorized to permit employees of the Department of Agriculture to make assignments of their pay, under such regulations as he may prescribe, during such time as they may be in the employ of the said Department.</i>							
NOTE.—The above provision is submitted in order that an employee of the Department, when absent from his regular station or headquarters on official business, annual leave, or on account of sickness, may make assignments of his salary to his wife or							

*Estimates of appropriations required for the service of the fiscal year ending June 30, 1910—Continued.*

General object (title of appropriation) and details and explanations.	Date of acts, or treaties, providing for the expenditure.	References to Stats. at Large, or to Revised Statutes.			Estimated am't required for each detailed object of expenditure.	Total amount to be appropriated under each head of appropriation.	Amount appropriated for the fiscal year ending June 30, 1909.
		Vol. or R. S.	Page.	Sec.			
<p><b>【National Bison Range】—Continued.</b>  other member of his family, without resorting to the present method of procedure, often confusing and embarrassing, requiring the execution and file with the Treasury Department of a formal power of attorney.</p> <p align="center">(EMERGENCY APPROPRIATIONS.)</p> <p>NOTE.—The emergency appropriation for Prevention of Spread of Moths has been increased \$50,000, and, with a few minor changes in wording, has been included in the appropriations for the Bureau of Entomology. This has been done because the work of destroying these insects should be continued for several years, and to simplify bookkeeping.</p> <p>NOTE.—The emergency appropriation for Eradicating Cattle Ticks has been increased \$50,000, and, with a few minor changes in wording, has been included in the appropriations for the Bureau of Animal Industry. This has been done because the work of eradicating the ticks should be continued for several years, and to simplify bookkeeping.</p> <p>NOTE.—The estimate of the Secretary of Agriculture for "printing and binding," under section 2, act of May 8, 1872 (Rev. Stat., 720, sec. 3661), will be found under the title of "Miscellaneous," post.</p> <p>For list of buildings rented in the District of Columbia by the Department of Agriculture, see Appendix D.</p> <p>For statement of condition of work, efficiency of employees, etc., see Appendix E.</p>							
Total salaries, including Weather Bureau, Department of Agriculture -----						\$1, 268, 980. 00	\$1, 234, 070. 00
Total general expenses, Department of Agriculture -----						13, 341, 646. 00	10, 438, 036. 00
Grand total, Department of Agriculture -----						14, 610, 626. 00	11, 672, 106. 00

NOTE.—The above estimate for printing and binding is an increase of \$50,000. This amount is required to meet the increased demands for printing from the various bureaus of the department in carrying out the provisions of sections 2, sundry civil act, approved June 30, 1906. The provision in regard to the annual report of the Secretary of Agriculture has been omitted, as the general language of the appropriation covers the same, and specific mention of the report is unnecessary. A proviso has also been inserted that all such bulletins not ordered distributed prior to April 30, 1909, shall revert to the Secretary of Agriculture for miscellaneous distribution, and for making up quotas for the next fiscal year. This provision was inadvertently omitted last year when the farmers' bulletin fund was combined with the general printing fund.



*Buildings rented by the Department of Agriculture in the District of Columbia during the fiscal year ending June 30, 1909.*

Location of buildings.	For what purpose used.	Annual rental.
Nos. 1221-1226 B street SW.	Bureau of Animal Industry, office and storage purposes.	\$720
Rear of 1228 C street SW.	Bureau of Animal Industry, stable.	144
No. 213 Seventh street NW.	Bureau of Animal Industry, offices and laboratories.	240
Athletic Building, 930 F street NW.	Forest Service, offices and storage purposes.	24,805
No. 913 E street NW.	Forest Service, carpenter shop, and for storage purposes.	270
No. 1539 Pennsylvania avenue SE.	Forest Service, chemical laboratory.	600
Ouray Building.	Forest Service, offices and storage purposes.	10,110
Nos. 210-212 Fourteenth street SW.	Bureau of Chemistry, shed for machinery.	210
No. 206 Fourteenth street SW.	Bureau of Chemistry, offices and laboratories.	300
No. 210 Fourteenth street SW.	do.	420
Three apartments in the Fairfax, Fourteenth and C streets SW.	do.	900
Stable, lot 27, square 231.	Bureau of Chemistry, storage purposes.	96
Nos. 200-202 Fourteenth street SW.	Bureau of Chemistry, offices and laboratories.	2,500
No. 1362 B street SW.	do.	1,800
No. 297 Thirteen-and-a-half street SW.	Bureau of Chemistry, offices and storerooms.	300
No. 212 Thirteenth street SW.	Bureau of Chemistry, offices and laboratories.	660
No. 1338 B street SW.	do.	750
No. 228½ Thirteen-and-a-half street SW.	Bureau of Chemistry, storing food samples.	300
No. 215 Thirteenth street SW.	Division of Publications, document rooms.	5,000
No. 237 Fourteenth street SW.	Office of Public Roads, offices and laboratories.	2,000
No. 224 Twelfth street SW.	Bureau of Plant Industry, Office of Experiment stations, and Bureau of Entomology, offices and laboratories.	2,500
Nos. 1208-1310 B street SW.	Office of Chief Clerk and Bureau of Biological Survey, offices, laboratories, and storage purposes.	360
No. 611 Maryland avenue SW.	Office of the Chief Clerk, storage purposes.	300
No. 201 Thirteenth street SW.	Bureau of Plant Industry, offices and laboratories.	360
No. 205 Thirteenth street SW.	do.	420
Nos. 1304-1306 B street SW.	Bureau of Plant Industry, laboratories and storage purposes.	2,500
No. 209 Thirteenth street SW.	Bureau of Plant Industry, offices and laboratories.	420
No. 203 Thirteenth street SW.	do.	420
No. 207 Thirteenth street SW.	do.	420
No. 207½ Thirteenth street SW.	do.	420
Nos. 221-223 Linwood Place SW.	Bureau of Plant Industry, seed building.	4,200
Total.		64,475

DEPARTMENT OF AGRICULTURE.

DEPARTMENT OF AGRICULTURE, OFFICE OF THE SECRETARY,  
Washington, September 30, 1908.

SIR: I have the honor to transmit herewith the estimates of appropriations for the Department of Agriculture for the fiscal year ending June 30, 1910, as follows:

Agricultural appropriation bill, amounting to \$14,610,626.

In connection with the appropriation for the Forest Service, I beg to invite attention to the inclosed letter and statement from the chief of that bureau, dated June 29, 1908, explaining the appropriations in detail, and request that they be printed as inclosures to my letter in the back part of the Book of Estimates.

Permanent annual appropriations, amounting to \$3,624,000.

Printing and binding for the Department of Agriculture, for inclusion in the sundry civil bill, to be executed under the direction of the Public Printer, \$510,000.

There is also transmitted herewith a list of buildings rented in the District of Columbia for the use of this Department for the fiscal year ending June 30, 1909, showing the annual rental of each and the purpose for which it is used, as required by the act of July 16, 1892 (27 Stat., p. 199).

In accordance with section 2 of the act of July 11, 1890 (27 Stat., p. 268), I have to report that there are no employees in this Department, so far as I am officially informed, who are below a fair standard of efficiency; and in accordance with the requirements of section 7 of the act approved March 2, 1895 (28 Stat., p. 808), I have also to report that the business of the Department is not in arrears, and that there are no employees appropriated for in one bureau or office of this Department who have been detailed to another bureau or office, except to and from the Secretary's Office.

I have the honor to be very respectfully,

JAMES WILSON, *Secretary.*

The SECRETARY OF THE TREASURY.

*Explanation in detail of the estimates for the Forest Service, Department of Agriculture, for the fiscal year ending June 30, 1910.*

UNITED STATES DEPARTMENT OF AGRICULTURE, FOREST SERVICE.  
OFFICE OF THE FORESTER, Washington, June 29, 1908.

SIR: The estimates for the Forest Service for the fiscal year ending June 30, 1910, which I have the honor to submit herewith, provide for concentrating the routine administration of the National Forests in the field in accordance with the plan which has already received your approval. The work is divided among six districts, as follows:

District 1.—Montana, northern Idaho, and northern Wyoming. Headquarters, Missoula, Mont.

District 2.—Colorado, eastern Wyoming, southern Dakota, Nebraska, Kansas, and Minnesota. Headquarters, Denver, Colo.

District 3.—Arizona, New Mexico, Oklahoma, and Arkansas. Headquarters, Albuquerque, N. Mex.

District 4.—Utah, western Wyoming, southern Idaho, and eastern Nevada. Headquarters, Salt Lake City, Utah.

District 5.—California and western Nevada. Headquarters, San Francisco, Cal.

District 6.—Oregon, Washington, and Alaska. Headquarters, Portland, Oreg.

The force in the Washington office will be reduced one-half and will be charged only with the general administration, inspection, and accounts of the Forest Service and with the custody of its more important records.

Under the proposed organization I believe that the efficiency of the Forest Service, on and off the National Forests, will be higher than ever before. The time needed for the transaction of National Forest business will be greatly reduced, and important local questions can be settled quickly by men always on the ground. The general administrative officers of the service in Washington will be relieved of routine, and will have more time to handle important matters affecting the whole service as well as for actual inspection of work in the field. The proposed organization will, in my judgment, provide far more certainly than the present organization could continue to do, for constant and rapid growth in the usefulness of the National Forests to the people.

Since the proposed organization will not be in effect for six months, the distribution of the total amount called for by the estimates is necessarily tentative as between the separate National Forests, the six Forest Districts, and the Washington office. This distribution has, however, been worked out with care and in detail, and I believe it gives a fair indication of the actual results which will follow the change. In dealing with a new form of organization such as this, it is not possible to be precise.

GIFFORD PINCHOT, *Forester.*

Very respectfully,

The SECRETARY OF AGRICULTURE.

Approved:

JAMES WILSON, *Secretary.*

*Recapitulation of estimates for the Forest Service for the fiscal year 1909—1910.*

Washington offices—		\$490, 460
National forests:		
District 1	\$987, 125	
District 2	867, 812	
District 3	758, 571	
District 4	845, 650	
District 5	876, 090	
District 6	815, 493	
		5, 150, 741
Purchase of supplies and general supply depot		350, 299
		5, 991, 500
Total		40
Number of additional employees provided for:		1, 098
Professional		37
Protective		
Clerical		1, 175

Approved:

JAMES WILSON, *Secretary.*

*Classification of all estimates for the Forest Service for the fiscal year 1909—1910.*

The expenditures covered by the estimates fall into the following four classes:

	Approximate amount required.
1. <i>Administration</i> (For the general administration of the Forest Service)-----	\$127, 860
2. <i>Use</i> (For the use, maintenance, and protection of the National Forests, 167,027,319 acres, at 2.73 cents per acre)-----	\$4, 558, 949
3. <i>Improvements</i> (For the construction and repair of permanent improvements upon the National Forests)-----	974, 981
	5, 533, 930
4. <i>Studies</i> (For studies necessary for the use and protection of the National Forests and of other forests in the United States, and to promote economy in the use of forest products, and the distribution of their results)-----	329, 710
	5, 991, 500
Total-----	



## Detailed classification of all estimates for the Forest Service for the fiscal year 1909-1910.

Schedule		1	2	3	4	Total.	Schedule		1	2	3	4	Total.
		Admin- istration.	Use.	Im- prove- ments.	Studies.				Admin- istration.	Use.	Im- prove- ments.	Studies.	
1	Headquarters, Washington, D. C.						52	National Forest District 3—Cont'd.		\$31,260			
1	Contingent		\$50,000			\$50,000	53	Operation		6,420			
2	Office of the Forester					54,820	53	Silviculture:		14,560			
3	Administration	\$16,500					53	Supervision					
4	Inspection	15,200					53	Timber sales				\$3,300	
5	Information				\$12,300		54	Forest planting				3,100	
6	Dendrology				10,760		55	Silvics		7,380			
7	Branch of operation					98,160	55	Grazing				5,160	
8	Administration	12,120					56	Products		29,080			
9	Accounts		21,150		2,350		57	Lands					
10	Maintenance		56,286		6,254		57	Use, maintenance, and pro- tection:		409,785			
11	Branch of silviculture					55,200	57	Salaries		59,238			
12	Administration	8,900					57	General expenses		30,700			
13	Silvics				6,160		58	Planting stations			\$125,568		
14	Forest planting				4,220		59	Permanent improvements					\$845,650
15	Federal cooperation				10,160		59	National Forest District 4		25,000			
16	State and private coopera- tion				21,320		60	Contingent (fire fighting, etc.)					
17	Literary				4,140		61	Administration	\$7,680	33,120			
18	Branch of grazing					23,480	62	Operation					
19	Administration	9,620					62	Silviculture:					
20	Studies				13,860		62	Supervision		5,720			
21	Branch of products					132,420	62	Timber sales		11,960			
22	Administration	12,060					62	Forest planting				3,500	
23	Wood utilization				36,400		62	Silvics				2,900	
24	Wood preservation				18,040		63	Grazing		11,080			
25	Wood testing laboratory				27,600		64	Products				5,100	
26	Publication				34,320		65	Lands		21,180			
27	Branch of lands					76,380	66	Use, maintenance, and pro- tection:					
28	Administration	7,700					66	Salaries		451,040			
29	Occupancy		11,520				66	General expenses		56,878			
30	Law		11,510				66	Planting stations		34,100			
31	Geography		15,620				67	Permanent improvements			176,392		
32	National Forest District 1					987,125	68	National Forest District 5					876,090
32	Contingent (fire fighting)		25,000				68	Contingent (fire fighting, etc.)		25,000			
33	Administration	7,580					69	Administration	8,220				
34	Operation		33,120				70	Operation		33,320			
35	Silviculture:						71	Silviculture:					
35	Supervision		6,020				71	Supervision		6,020			
35	Timber sales		25,220				71	Timber sales		19,360			
35	Forest planting				3,100		71	Forest planting				3,500	
35	Silvics				3,000		71	Silvics				2,900	
36	Grazing		6,960				72	Grazing		7,120			
37	Products				4,700		73	Products				10,360	
38	Lands		32,120				74	Lands		26,080			
39	Use, maintenance, and protection:						75	Use, maintenance, and pro- tection:					
39	Salaries		558,157				75	Salaries		516,055			
39	General expenses		56,389				75	General expenses		54,080			
40	Permanent improvements			\$225,159			76	Planting stations		6,100			
41	National Forest District 2					867,812	77	Permanent improvements			157,975		
41	Contingent (fire fighting, etc.)		25,000				77	National Forest District 6					815,493
42	Administration	7,280					78	Contingent (fire fighting, etc.)		25,000			
43	Operation		33,020				79	Administration	7,720				
44	Silviculture:						80	Operation		32,160			
44	Supervision		5,720				80	Silviculture:					
44	Timber sales		19,260				80	Supervision		6,020			
44	Forest planting				3,600		80	Timber sales		14,760			
45	Silvics				3,200		81	Forest planting				2,900	
46	Grazing		7,260				81	Silvics				3,100	
47	Products				10,500		82	Grazing		7,580			
48	Lands		26,980				83	Products				10,900	
48	Use, maintenance, and pro- tection:						84	Lands		34,080			
48	Salaries		516,980				84	Use, maintenance, and pro- tection:					
48	General expenses		63,204				85	Salaries		452,515			
49	Planting stations		23,100				85	General expenses		45,679			
50	Permanent improvements			116,708			86	Permanent improvements			173,079		
50	National Forest District 3					758,571	87	General supply depot (Ogden, Utah)		23,240			23,240
50	Contingent (fire fighting, etc.)		25,000					Purchase of supplies (Chicago, Ill.)		294,353		32,706	327,059
51	Administration	7,220						Total	127,860	4,558,949	974,981	329,710	5,991,500



## SUMMARY BY STATES, ESTIMATES FOR THE FOREST SERVICE FOR 1909-1910.

For Item 2 (Use, Maintenance, and Protection of the National Forests), and Item 3 (Construction and Repair of Permanent Improvements upon the National Forests).

Sched- ule.	State.	2 Use.	3 Im- prove- ments.	Total.	Sched- ule.	State.	2 Use.	3 Im- prove- ments.	Total.
	Alaska (12,087,626 acres)			\$27,784		Idaho (20,331,920 acres)			\$515,784
84-3	Chugach National Forest	\$6,925			66-2	Boise National Forest	\$25,313		
85-3	Chugach National Forest		\$5,555		67-2	Boise National Forest		\$10,050	
84-16	Tongass National Forest	9,484			66-5	Caribou National Forest	11,392		
85-16	Tongass National Forest		5,820		67-5	Caribou National Forest		3,996	
	Arizona (12,127,850 acres)			285,432	66-6	Challis National Forest	15,196		
57-2	Apache National Forest	16,616			67-6	Challis National Forest		6,821	
58-2	Apache National Forest		6,946		39-8	Clearwater National Forest	30,325		
57-5	Chiricahua National Forest	13,515			40-8	Clearwater National Forest		29,660	
58-5	Chiricahua National Forest		4,616		39-9	Coeur d'Alene National Forest	13,476		
57-6	Cocconino National Forest	57,938			40-9	Coeur d'Alene National Forest		10,763	
58-6	Cocconino National Forest		18,799		66-11	Idaho National Forest	14,252		
57-7	Coronado National Forest	13,122			67-11	Idaho National Forest		10,110	
58-7	Coronado National Forest		5,213		39-16	Kaniksu National Forest	20,670		
57-8	Crook National Forest	15,365			40-16	Kaniksu National Forest		5,155	
58-8	Crook National Forest		4,258		66-13	Lemhi National Forest	24,722		
57-10	Garces National Forest	14,500			67-13	Lemhi National Forest		5,104	
58-10	Garces National Forest		3,476		66-15	Minidoka National Forest	13,970		
66-12	Kaibab National Forest	14,230			67-15	Minidoka National Forest		3,972	
67-12	Kaibab National Forest		3,810		39-22	Nezperce National Forest	22,413		
57-19	Prescott National Forest	21,848			40-22	Nezperce National Forest		16,870	
58-19	Prescott National Forest		7,905		66-18	Payette National Forest	13,873		
57-20	Sitgreaves National Forest	17,620			67-18	Payette National Forest		4,651	
58-20	Sitgreaves National Forest		4,595		29-23	Pend d'Oreille National Forest	21,265		
57-21	Tonto National Forest	31,060			40-23	Pend d'Oreille National Forest		5,948	
58-21	Tonto National Forest		10,000		66-19	Poncha National Forest	20,790		
	Arkansas (1,991,899 acres)			71,891	67-19	Poncha National Forest		1,641	
57-3	Arkansas National Forest	40,136			66-21	Salmon National Forest	20,020		
58-3	Arkansas National Forest		6,093		67-21	Salmon National Forest		9,155	
57-17	Ozark National Forest	20,670			66-22	Sawtooth National Forest	23,131		
58-17	Ozark National Forest		4,992		67-22	Sawtooth National Forest		7,211	
	California (25,438,885 acres)			734,210	66-24	Targhee National Forest	24,872		
75-1	Angeles National Forest	63,439			67-24	Targhee National Forest		9,553	
76-1	Angeles National Forest		7,295		66-29	Weiser National Forest	23,533		
75-2	Calaverita National Forest	22,280			67-29	Weiser National Forest		4,078	
76-2	Calaverita National Forest		5,235			Kansas (97,280 acres)			18,669
75-3	Inyo National Forest	20,390			48-9	Kansas National Forest	18,145		
76-3	Inyo National Forest		8,100		49-9	Kansas National Forest		524	
75-4	Klamath National Forest	36,535				Minnesota (227,000 acres)			25,198
76-4	Klamath National Forest		11,215		48-14	Minnesota National Forest	23,985		
75-5	Lassen National Forest	20,370			49-11	Minnesota National Forest		1,213	
76-5	Lassen National Forest		6,630			Montana (20,519,324 acres)			553,358
75-6	Modoc National Forest	18,161			39-1	Absaroka National Forest	19,809		
76-6	Modoc National Forest		6,255		40-1	Absaroka National Forest		4,778	
75-7	Mono National Forest	5,300			39-2	Beartooth National Forest	11,337		
76-7	Mono National Forest		3,515		40-2	Beartooth National Forest		6,295	
75-8	Monterey National Forest	14,186			39-3	Beaverhead National Forest	21,086		
76-8	Monterey National Forest		2,775		40-3	Beaverhead National Forest		9,761	
75-9	Plumas National Forest	32,375			39-5	Bitterroot National Forest	22,637		
76-9	Plumas National Forest		7,195		40-5	Bitterroot National Forest		8,615	
75-10	San Jacinto National Forest	39,695			39-6	Blackfoot National Forest	30,380		
76-10	San Jacinto National Forest		10,250		40-6	Blackfoot National Forest		16,025	
75-11	San Luis National Forest	14,767			39-7	Cabinet National Forest	18,550		
76-11	San Luis National Forest		1,400		40-7	Cabinet National Forest		8,730	
75-12	Santa Barbara National Forest	52,456			39-10	Custer National Forest	10,990		
76-12	Santa Barbara National Forest		10,575		40-10	Custer National Forest		3,185	
75-14	Sequoia National Forest	47,655			39-11	Deerlodge National Forest	30,356		
76-14	Sequoia National Forest		16,650		40-11	Deerlodge National Forest		8,812	
75-13	Shasta National Forest	24,003			39-12	Flathead National Forest	11,922		
76-13	Shasta National Forest		5,875		40-12	Flathead National Forest		16,190	
75-15	Sierra National Forest	67,031			39-13	Gallatin National Forest	30,971		
76-15	Sierra National Forest		17,300		40-13	Gallatin National Forest		9,090	
75-16	Stanislaus National Forest	24,563			39-14	Helena National Forest	27,020		
76-16	Stanislaus National Forest		11,310		40-14	Helena National Forest		5,005	
75-17	Tahoe National Forest	36,982			39-15	Jefferson National Forest	41,435		
76-17	Tahoe National Forest		14,720		40-15	Jefferson National Forest		6,775	
75-18	Trinity National Forest	35,964			39-17	Kootenai National Forest	29,278		
76-18	Trinity National Forest		11,650		40-17	Kootenai National Forest		9,019	
	Colorado (15,151,234 acres)			495,050	39-18	Lewis and Clark National Forest	13,415		
48-1	Arapaho National Forest	12,560			40-18	Lewis and Clark National Forest		9,589	
49-1	Arapaho National Forest		8,857		39-19	Lolo National Forest	19,433		
48-2	Battlement National Forest	19,800			40-19	Lolo National Forest		6,763	
49-2	Battlement National Forest		4,303		39-20	Madison National Forest	21,189		
48-5	Cochetopa National Forest	17,495			40-20	Madison National Forest		6,753	
49-5	Cochetopa National Forest		4,965		39-21	Missoula National Forest	18,505		
48-6	Gunnison National Forest	24,803			40-21	Missoula National Forest		6,445	
49-6	Gunnison National Forest		5,251			Nebraska (566,072 acres)			29,895
48-8	Holy Cross National Forest	32,806			48-16	Nebraska National Forest	26,895		
49-8	Holy Cross National Forest		6,961		49-16	Nebraska National Forest		3,000	
48-11	Las Animas National Forest	9,984				Nevada (2,469,334 acres)			55,557
49-11	Las Animas National Forest		1,060		66-10	Humboldt National Forest	13,769		
48-12	Leadville National Forest	31,560			67-10	Humboldt National Forest		3,111	
49-12	Leadville National Forest		7,886		66-16	Moapa National Forest	4,873		
48-13	Medicine Bow National Forest	20,630			67-16	Moapa National Forest		1,860	
49-13	Medicine Bow National Forest		3,736		66-26	Toiyabe National Forest	23,555		
48-15	Montezuma National Forest	24,886			67-26	Toiyabe National Forest		8,416	
49-15	Montezuma National Forest		6,347			New Mexico (9,302,154 acres)			269,259
48-17	Pike National Forest	54,376			57-1	Alamo National Forest	25,825		
49-17	Pike National Forest		7,207		57-2	Alamo National Forest		5,281	
48-18	Rio Grande National Forest	29,932			57-4	Carson National Forest	19,746		
49-18	Rio Grande National Forest		6,827		58-4	Carson National Forest		6,211	
48-19	Routt National Forest	19,175			57-9	Datil National Forest	15,806		
49-19	Routt National Forest		9,954		58-9	Datil National Forest		9,374	
48-20	San Isabel National Forest	18,610			57-11	Gila National Forest	60,290		
49-20	San Isabel National Forest		3,025		58-11	Gila National Forest		9,509	
48-21	San Juan National Forest	28,715			57-12	Jemez National Forest	28,775		
49-21	San Juan National Forest		7,660		58-12	Jemez National Forest		5,280	
48-23	Uncompahgre National Forest	31,307			57-13	Lincoln National Forest	14,700		
49-23	Uncompahgre National Forest		5,077		58-13	Lincoln National Forest		3,218	
48-24	White River National Forest	21,735							
49-24	White River National Forest		7,237						

## SUMMARY BY STATES, ESTIMATES FOR THE FOREST SERVICE FOR 1909-1910—Continued.

Sched- ule.	State.	2 Use.	3 Im- prove- ments.	Total.	Sched- ule.	State.	2 Use.	3 Im- prove- ments.	Total.
New Mexico—Continued.					Wyoming—Continued.				
57-15	Magdalena National Forest	\$16,170			40-1	Bighorn National Forest		\$6,200	
58-15	Magdalena National Forest		\$3,120		66-3	Bonneville National Forest	\$23,380		
57-16	Manzanita National Forest	13,380			67-3	Bonneville National Forest		14,200	
58-16	Manzanita National Forest		3,167		48-4	Cheyenne National Forest	46,341		
57-18	Pecos National Forest	26,410			49-1	Cheyenne National Forest		3,333	
58-18	Pecos National Forest		2,321		18-7	Hayden National Forest	24,000		
					49-7	Hayden National Forest		2,162	
Oklahoma (10,800 acres).					39-21	Shoshone National Forest	23,940		
57-22	Wichita National Forest	6,011		\$6,369	40-21	Shoshone National Forest		8,095	
58-22	Wichita National Forest		328		48-22	Sundance National Forest	14,388		
					49-22	Sundance National Forest		988	
Oregon (16,972,772 acres).					66-25	Teton National Forest	24,061		
81-1	Cascade National Forest	24,071		384,073	67-25	Teton National Forest		10,360	
80-1	Cascade National Forest		9,955		66-30	Wyoming National Forest	17,080		
81-6	Crocker National Forest	29,470			67-30	Wyoming National Forest		6,476	
85-6	Crocker National Forest		5,970		FOR EXPENDITURES NOT DIVISIBLE BY STATES.				
81-7	Deschutes National Forest	21,142			Headquarters, Washington, D. C.:				
85-7	Deschutes National Forest		7,955		Contingent, office of the Forester				
81-8	Fremont National Forest	26,628			1	Contingent, office of the Forester	50,000		\$50,000
84-9	Malheur National Forest	18,156			Branch of Operation:				
85-9	Malheur National Forest		6,350		9	Accounts	21,150		
81-11	Oregon National Forest	29,192			10	Maintenance	56,286		
85-11	Oregon National Forest		9,647						77,436
81-13	Siskiyou National Forest	26,437			Branch of Lands:				
85-14	Siskiyou National Forest		7,025		Occupancy				
81-11	Siuslaw National Forest	15,911			29	Occupancy	11,520		
85-13	Siuslaw National Forest		5,255		30	Law	11,540		
84-17	Umatilla National Forest	9,516			31	Geography	45,020		
85-17	Umatilla National Forest		2,968						68,680
81-18	Umpqua National Forest	24,166			National Forest District 1:				
85-18	Umpqua National Forest		9,050		32	Contingent (fire, etc.)	25,000		
81-19	Waldawa National Forest	37,206			34	Operation	33,120		
85-19	Waldawa National Forest		9,122		Silviculture:				
84-21	Wenaha National Forest	15,476			35	Supervision	\$6,620		
85-21	Wenaha National Forest		5,380		35	Timber sales	25,220		
84-23	Whitman National Forest	21,962			36	Grazing	31,840		
85-23	Whitman National Forest		6,780		38	Lands	6,960		
Puerto Rico (16,950 acres).							32,120		129,040
57-11	Luquillo National Forest	10,120		10,480	National Forest District 2:				
58-11	Luquillo National Forest		360		41	Contingent (fire, etc.)	25,000		
South Dakota (1,198,953 acres).					43	Operation	33,020		
18-3	Black Hills National Forest	41,236		61,606	Silviculture:				
19-3	Black Hills National Forest		6,275		44	Supervision	\$5,720		
39-25	Sioux National Forest	9,769			44	Timber sales	19,260		
40-25	Sioux National Forest		1,326		45	Grazing	24,980		
Utah (8,098,311 acres).					47	Lands	7,260		
66-1	Ashley National Forest	13,768		255,171			26,980		117,240
67-1	Ashley National Forest		6,355		National Forest District 3:				
66-1	Cache National Forest	17,880			50	Contingent (fire, etc.)	25,000		
67-4	Cache National Forest		2,896		52	Operation	31,960		
66-7	Dixie National Forest	8,978			Silviculture:				
67-7	Dixie National Forest		5,885		53	Supervision	\$6,420		
66-8	Fillmore National Forest	16,000			53	Timber sales	14,560		
67-8	Fillmore National Forest		3,120		54	Grazing	20,980		
66-9	Fishlake National Forest	11,850			56	Lands	7,380		
67-9	Fishlake National Forest		4,795				29,080		114,400
18-10	La Sal National Forest	12,600			National Forest District 4:				
19-10	La Sal National Forest		2,447		59	Contingent (fire, etc.)	25,000		
66-11	Manti National Forest	20,278			61	Operation	33,120		
67-11	Manti National Forest		5,580		Silviculture:				
66-17	Nebo National Forest	7,951			62	Supervision	\$5,720		
67-17	Nebo National Forest		2,507		62	Timber sales	11,960		
66-20	Powell National Forest	12,320			63	Grazing	17,680		
67-20	Powell National Forest		5,325		65	Lands	11,080		
66-23	Savier National Forest	17,618					21,180		108,060
67-23	Savier National Forest		3,735		National Forest District 5:				
66-27	Uinta National Forest	31,824			68	Contingent (fire, etc.)	25,000		
67-27	Uinta National Forest		10,466		70	Operation	33,320		
66-28	Wasatch National Forest	29,566			Silviculture:				
67-28	Wasatch National Forest		1,217		71	Supervision	\$6,020		
Washington (11,011,882 acres).					71	Timber sales	19,360		
81-2	Chehalis National Forest	31,063		259,416	72	Grazing	25,380		
85-2	Chehalis National Forest		11,050		74	Lands	7,120		
81-5	Columbia National Forest	19,035					26,080		116,900
85-4	Columbia National Forest		5,100		National Forest District 6:				
81-4	Colville National Forest	11,131			77	Contingent (fire, etc.)	25,000		
85-5	Colville National Forest		1,690		79	Operation	32,160		
81-10	Olympic National Forest	22,933			Silviculture:				
85-10	Olympic National Forest		8,575		80	Supervision	\$6,020		
81-12	Rainier National Forest	28,198			80	Timber sales	14,760		
85-12	Rainier National Forest		9,910		81	Grazing	20,780		
81-15	Snoqualmie National Forest	21,764			83	Lands	7,580		
85-15	Snoqualmie National Forest		5,412				34,080		119,600
81-20	Washington National Forest	22,200			86	General supply depot, Ogden, Utah	23,240		
85-20	Washington National Forest		11,975		87	Purchase of supplies			23,240
81-22	Wenatchee National Forest	30,125					294,353		294,353
85-22	Wenatchee National Forest		13,125						294,353
Wyoming (8,776,987 acres).							4,558,949	974,981	5,533,930
39-4	Bighorn National Forest	30,472		255,779					



## ESTIMATES 1909-1910—THE FOREST SERVICE.

## Headquarters, Washington, D. C.—Summary.

Schedule 1.		
Office of the Forester		
Operation	\$54,820	
Silviculture	98,160	
Grazing	55,200	
Products	23,480	
Land	132,420	
Contingent	76,380	
Total	50,000	
Total	490,460	

## OFFICE OF THE FORESTER.

## Summary.

Schedule 2.		
Administration	16,560	
Inspection	15,200	
Information	12,300	
Dendrology	10,760	
Total	54,820	

## Administration.

Schedule 3.		
Forester	5,000	
Travel and field expenses	1,200	
Associate forester	3,500	
Travel and field expenses	1,200	
One stenographer	2,000	
One stenographer	1,260	
Two stenographers, at \$1,200	2,400	
Total	16,560	

## Inspection.

Schedule 4.		
One inspector	3,000	
Travel and field expenses	1,500	
One inspector	2,400	
Travel and field expenses	1,500	
One inspector	2,000	
Travel and field expenses	1,500	
One inspector	1,800	
Travel and field expenses	1,500	
Total	15,200	

## Information.

Schedule 5.		
Editor in charge	3,000	
Travel and field expenses	450	
One associate editor	3,000	
Travel and field expenses	450	
One assistant	2,400	
One stenographer	1,200	
Two stenographers, at \$900	1,800	
Total	12,300	

## Dendrology.

Schedule 6.		
Dendrologist in charge	2,700	
Travel and field expenses	800	
One assistant	1,500	
Travel and field expenses	600	
One assistant	1,200	
One stenographer	1,200	
One clerk	960	
Two clerks, at \$900	1,800	
Total	10,760	

## OPERATION.

## Summary.

Schedule 7.		
Administration	12,120	
Accounts	23,500	
Maintenance	62,540	
Total	98,160	

## Administration.

Schedule 8.		
Assistant forester in charge	3,200	
Travel and field expenses	1,200	
One engineer	2,400	
Travel and field expenses	1,000	
One assistant in business methods	2,100	
One stenographer	1,200	
One stenographer	1,020	
Total	12,120	

## Accounts.

Schedule 9.		
Supervision—		
Fiscal agent in charge	\$2,200	
One stenographer	1,080	
	3,280	

## Disbursement—

Clerk in charge	\$2,100	
One auditor	1,620	
One auditor	1,500	
One auditor	1,200	
One stenographer	1,020	
	\$7,140	

## Appointment—

Clerk in charge	1,320	
One clerk	1,080	
One clerk	900	
	3,300	

## Bookkeeping—

Accountant in charge	1,860	
Two clerks, at \$1,200 each	2,400	
Two clerks, at \$1,080 each	2,160	
Three clerks, at \$1,020 each	3,060	
	9,480	

Total	23,500	
Use	21,150	
Studies	2,350	
Total	23,500	

## Maintenance.

Schedule 10.		
Supervision—		
Clerk in charge	1,860	1,860
Stenography and Typewriting—		
Clerk in charge	1,200	
Two stenographers, at \$1,020 each	2,040	
Three stenographers, at \$960 each	2,880	
Three stenographers, at \$900 each	2,700	
	8,820	

## Mail—

Mail clerk	1,500	
One clerk	900	
	2,400	

## Files—

One file clerk	1,020	1,020
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## Quarters—

Clerk in charge	1,500	
Two clerks, at \$960 each	1,920	
Two clerks, at \$900 each	1,800	
One carpenter	1,020	
One electrician	840	
Three watchmen, at \$840 each	2,520	
One messenger	840	
Two messengers, at \$720 each	1,440	
Three messengers, at \$660 each	1,980	
Six messengers, at \$360 each	2,160	
One charwoman	480	
Six charwomen, at \$240 each	1,440	
Rent	25,500	
Miscellaneous expenses (electric light and power, fuel, gas, ice, janitor's supplies, and repairs)	5,000	
	48,440	

Total	62,540	
Use	56,286	
Studies	6,254	
	62,540	

## SILVICULTURE.

## Summary.

Schedule 11.		
Administration (including timber sales)	8,900	
Silvics	6,160	
Forest planting	4,220	
Federal cooperation	10,460	
State and private cooperation	21,320	
Library	4,140	
Total	55,200	

## Silviculture.

Schedule 12.		
Administration (including timber sales)—		
Assistant forester in charge	2,800	
Travel and field expenses	1,200	
One assistant forester	2,500	
Travel and field expenses	1,200	
One stenographer	1,200	
Total	8,900	

## Silvics.

Schedule 13.		
Expert in charge	2,200	
Travel and field expenses	1,000	
One assistant	1,400	
Travel and field expenses	600	
One stenographer	960	
Total	6,160	

## Forest planting.

Schedule 14.		
Expert in charge	2,200	
Travel and field expenses	1,000	
One stenographer	1,020	
Total	4,220	

## Federal cooperation.

Schedule 15.		
Assistant in charge	\$1,000	
Travel and field expenses	400	
One lumberman	1,800	
Travel and field expenses	800	
Two assistants, at \$1,200	2,400	
Travel and field expenses, at \$800	1,600	
One stenographer	960	
One stenographer	300	
Total	10,160	

## State and private cooperation.

Schedule 16.		
Assistant in charge	1,800	
Travel and field expenses	400	
One assistant	1,700	
Travel and field expenses	300	
Two assistants, at \$1,500	3,000	
Travel and field expenses, at \$300	600	
Three assistants, at \$1,400	4,200	
Travel and field expenses, at \$300	900	
Two assistants, at \$1,200	2,400	
Travel and field expenses, at \$300	600	
Two assistants, at \$1,000	2,000	
Travel and field expenses, at \$300	600	
Two stenographers, at \$960	1,920	
One clerk	900	
Total	21,320	

## Library.

Schedule 17.		
One librarian	1,200	
One translator	1,020	
Two clerks, at \$960	1,920	
Total	4,140	

## GRAZING.

## Summary.

Schedule 18.		
Administration	9,620	
Studies	13,860	
Total	23,480	

## Administration.

Schedule 19.		
Assistant forester in charge	3,000	
Travel and field expenses	1,200	
One assistant	2,200	
Travel and field expenses	1,000	
One stenographer	1,200	
One clerk	1,020	
Total	9,620	

## Studies.

Schedule 20.		
Expert in charge	2,000	
Travel and field expenses	1,000	
One expert	1,900	
Travel and field expenses	1,000	
One expert	1,700	
Travel and field expenses	900	
One plant ecologist	1,400	
Travel and field expenses	900	
One assistant	1,200	
Travel and field expenses	900	
One stenographer	960	
Total	13,860	

## PRODUCTS.

## Summary.

Schedule 21.		
Administration	12,060	
Wood utilization	36,000	
Wood preservation	18,040	
Wood testing laboratory	27,600	
Publication	38,320	
Total	132,420	

## Administration.

Schedule 22.		
Assistant forester in charge	3,000	
Travel and field expenses	1,000	
Assistant forester	2,300	
Travel and field expenses	1,000	
One expert	2,500	
Travel and field expenses	1,000	
One stenographer	1,260	
Total	12,060	



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

<i>Wood utilization.</i>		LANDS.		Use, maintenance, and protection, National Forests.	
Schedule 23.		Summary.		Permanent improvements upon National Forests.	
Supervision—		Schedule 27.		Total	
Expert in charge	\$2,000	Administration	\$7,700	Administration.	
Travel and field expenses	800	Occupancy	11,520	Schedule 33.	
One assistant	1,800	Law	11,540	District forester in charge	2,500
Travel and field expenses	600	Geography	45,620	Travel and field expenses	1,000
One stenographer	1,020	Total	76,380	Assistant district forester	2,000
Wood Uses—	\$6,220	Administration.		Travel and field expenses	1,000
Expert in charge	1,600	Schedule 28.		One stenographer	1,080
Travel and field expenses	600	Expert in charge	3,000	Total	5,580
One stenographer	960	Travel and field expenses	800	Operation.	
Two assistants, at \$1,200	2,400	Travel and field expenses	2,100	Schedule 31.	
Travel and field expenses, at \$600	1,200	Travel and field expenses	600	Supervision—	
Three assistants, at \$1,000	3,000	One stenographer	1,200	Assistant in charge	\$2,000
Travel and field expenses, at \$600	1,800	Total	5,700	Travel and field expenses	1,000
Wood Chemistry—	11,560	Occupancy.		One assistant	1,400
Expert in charge	1,200	Schedule 29.		Travel and field expenses	1,000
Travel and field expenses	800	Supervision—		One stenographer	1,020
One stenographer	900	Assistant in charge	\$1,860	One stenographer	900
Computation—	2,900	Travel and field expenses	600	Engineering—	7,320
Expert in charge	1,600	One stenographer	1,020	Engineer in charge	2,000
Travel and field expenses	100	Boundaries—	3,480	Travel and field expenses	800
One assistant	1,200	One clerk	1,200	One engineer	1,500
Travel and field expenses	400	Settlement—	1,200	Travel and field expenses	600
One stenographer	1,080	One clerk	1,500	One engineer	1,200
Two clerks, at \$1,020	2,040	Claims—	1,500	Travel and field expenses	600
Ten clerks, at \$900	9,000	One clerk	1,860	One stenographer	200
Total	15,720	One stenographer	960	Accounts—	7,600
Total	36,400	One clerk	900	Fiscal agent	1,800
		Special uses—	3,720	One bookkeeper	1,500
		One clerk	1,620	One auditor	1,500
		Total	11,520	One stenographer	1,020
		Law.		Two clerks, at \$900	1,800
		Schedule 30.		Maintenance—	7,620
		Principal examiner in charge	2,700	One assistant	1,500
		Travel and field expenses	800	One stenographer	960
		One examiner	2,100	Two stenographers, at \$900	1,800
		Travel and field expenses	600	Two messengers, at \$600	1,200
		One examiner	1,860	Rent, light, heat, and janitor	5,000
		Travel and field expenses	600	Total	10,580
		One stenographer	1,020		33,120
		One stenographer	960	Silviculture.	
		One clerk	900	Schedule 35.	
		Total	11,540	Supervision—	
		Geography.		Assistant in charge	\$2,000
		Schedule 31.		Travel and field expenses	1,000
		Supervision—		One assistant	1,600
		Geographer in charge	\$2,500	Travel and field expenses	1,000
		Travel and field expenses	1,000	One stenographer	1,020
		One stenographer	1,020	Timber sales—	6,620
		Drafting—	4,520	Assistant in charge	1,500
		Draftsman in charge	1,980	Travel and field expenses	600
		One draftsman	1,620	Two assistants, at \$1,200	2,400
		Two draftsmen, at \$1,380	2,760	Travel and field expenses, at \$600	1,200
		Three draftsmen, at \$1,200	3,600	Four lumbermen, at \$1,800	7,200
		One file clerk	900	Travel and field expenses, at \$800	3,200
		Photography—	10,860	Travel and field expenses, at \$700	2,100
		Photographer in charge	1,620	Two stenographers, at \$960	1,920
		One photographer	1,500	One clerk	900
		One photographer	1,300	Forest planting—	25,220
		One photographer	1,020	Assistant in charge	1,400
		One lithographer	1,020	Travel and field expenses	800
		One file clerk	900	One stenographer	200
		Atlas—	7,260	Silvics—	3,100
		Assistant in charge	1,260	Assistant in charge	1,300
		One clerk	960	Travel and field expenses	800
		One clerk	900	One stenographer	200
		Alienation—	3,120	Total	3,000
		Clerk in charge	1,860	Grazing.	
		Twenty clerks, at \$900	18,000	Schedule 36.	
		Total	19,860	Assistant in charge	1,800
			65,620	Travel and field expenses	900
		NATIONAL FOREST DISTRICT 1, HEADQUARTERS, MISSOURI, MONT.		One assistant	1,500
		Summary.		Travel and field expenses	900
		Schedule 32.		One stenographer	960
		Administration	\$7,580	One clerk	900
		Operation	33,120	Total	6,960
		Silviculture	37,940	Products.	
		Grazing	6,960	Schedule 37.	
		Products	4,700	Expert in charge	1,200
		Lands	32,120	Travel and field expenses	800
		Contingent (for fighting forest fires and for other unforeseen emergencies)	25,000	One assistant	1,000
		Total	\$147,420	Travel and field expenses	800
				One stenographer	900
				Total	4,700

## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

Lands.	
Schedule 38.	
Supervision—	
Assistant in charge	\$1,800
Travel and field expenses	600
One stenographer	960
Occupancy—	\$3,360
Assistant in charge	1,800
Travel and field expenses	500
Eight examiners, at \$1,500	12,000
Travel and field expenses, at \$800	6,400
One assistant	1,400
One stenographer	960
One clerk	900
Maps—	23,960
One draftsman	1,500
Two draftsmen, at \$1,200	2,400
One file clerk	900
Total	32,120

USE, MAINTENANCE, AND PROTECTION OF THE NATIONAL FORESTS, NATIONAL FOREST DISTRICT I.

Summary.				
Schedule 39.				
Forests.	Salary.	General expense.	Total.	Area.
Acres.				
Absaroka	\$17,897	\$1,912	\$19,809	885,640
Beartooth	10,000	1,337	11,337	700,813
Beaverhead	20,000	1,686	21,686	1,809,359
Big Horn	29,470	1,002	30,472	1,151,680
Bitter Root	21,220	1,417	22,637	1,152,864
Blackfoot	27,600	2,780	30,380	1,993,600
Cabinet	16,820	1,730	18,550	1,043,840
Clearwater	29,170	1,155	30,325	2,717,480
Coeur d'Alene	37,420	6,056	43,476	1,531,684
Custer	9,825	1,165	10,990	590,720
Deerlodge	26,800	3,556	30,356	1,082,880
Flathead	37,620	4,302	41,922	2,131,488
Gallatin	28,870	2,104	30,974	944,640
Helena	24,370	2,650	27,020	928,000
Jefferson	40,470	3,965	44,435	1,255,320
Kaniksi	17,470	3,200	20,670	956,000
Kootenai	26,870	2,408	29,278	1,677,360
Lewis and Clark	11,755	1,660	13,415	850,720
Lolo	17,700	1,733	19,433	1,211,680
Madison	20,320	1,169	21,489	1,066,240
Missoula	16,775	1,730	18,505	1,224,160
Neperece	20,500	1,913	22,413	1,735,040
Pend d'Oreille	18,970	2,295	21,265	1,102,513
Shoshone	21,320	2,620	23,940	1,522,880
Sioux	8,925	844	9,769	245,813
Total	558,157	56,389	614,546	31,512,444

## Absaroka National Forest (Montana).

(Area, 885,640 acres.)

Salary—	
One supervisor	\$1,400 12 mo. \$1,400
One forest assistant	1,047 12 mo. 1,047
One clerk	900 12 mo. 900
One ranger	1,200 12 mo. 1,200
One ranger	1,000 12 mo. 1,000
Seven rangers	900 12 mo. 6,300
Twelve guards	900 6 mo. 5,850
General expenses—Station, field, and travel expenses	1,912
Total	19,809

## Beartooth National Forest (Montana).

(Area, 700,813 acres.)

Salary—	
One supervisor	\$1,600 12 mo. \$1,600
One ranger	1,200 12 mo. 1,200
Two rangers	1,200 12 mo. 2,400
Three rangers	1,000 12 mo. 3,000
Four guards	900 6 mo. 1,800
General expenses—Station, field, and travel expenses	1,337
Total	11,337

## Beaverhead National Forest (Montana).

(Area, 1,809,359 acres.)

Salary—	
One supervisor	\$1,800 12 mo. \$1,800
One deputy supervisor	1,500 12 mo. 1,500
One forest assistant	1,400 12 mo. 1,400
One clerk	900 12 mo. 900
Two rangers	1,200 12 mo. 2,400
Two rangers	1,100 12 mo. 2,200
Five rangers	1,000 12 mo. 5,000

Salary—	
Ten guards	900 6 mo. \$4,500
One guard	900 1 mo. 200
General expenses—Station, field, and travel expenses	\$20,000
Total	21,686

## Big Horn National Forest (Wyoming).

(Area, 1,151,680 acres.)

Salary—	
One supervisor	\$2,000 12 mo. \$2,000
One deputy supervisor	1,400 12 mo. 1,400
One forest assistant	1,400 12 mo. 1,400
One clerk	1,020 12 mo. 1,020
Two rangers	1,200 12 mo. 2,400
Seven rangers	1,100 12 mo. 7,700
Eleven rangers	1,000 12 mo. 11,000
Five guards	900 6 mo. 2,250
One guard	900 4 mo. 300
General expenses—Station, field, and travel expenses	29,470
Total	1,002
Total	30,472

## Bitter Root National Forest (Montana).

(Area, 1,152,864 acres.)

Salary—	
One supervisor	\$2,000 12 mo. \$2,000
One deputy supervisor	1,400 12 mo. 1,400
One forest assistant	1,500 12 mo. 1,500
One clerk	1,020 12 mo. 1,020
Two rangers	1,200 12 mo. 2,400
Four rangers	1,100 12 mo. 4,400
Four rangers	1,000 12 mo. 4,000
Ten guards	900 6 mo. 4,500
General expenses—Station, field, and travel expenses	21,220
Total	1,117
Total	22,637

## Blackfoot National Forest (Montana).

(Area, 1,993,600 acres.)

Salary—	
One supervisor	\$2,000 12 mo. \$2,000
One deputy supervisor	1,600 12 mo. 1,600
One forest assistant	1,400 12 mo. 1,400
One clerk	1,200 12 mo. 1,200
Ten rangers	1,200 12 mo. 12,000
Four rangers	1,000 12 mo. 4,000
Twelve guards	900 6 mo. 5,400
General expenses—Station, field, and travel expenses	27,600
Total	2,780
Total	30,380

## Cabinet National Forest (Montana).

(Area, 1,043,840 acres.)

Salary—	
One supervisor	\$1,800 12 mo. \$1,800
One deputy supervisor	1,400 12 mo. 1,400
One clerk	1,020 12 mo. 1,020
Two rangers	1,200 12 mo. 2,400
Four rangers	1,100 12 mo. 4,400
Four rangers	1,000 12 mo. 4,000
Six guards	900 4 mo. 1,800
General expenses—Station, field, and travel expenses	16,820
Total	1,730
Total	18,550

## Clearwater National Forest (Idaho).

(Area, 2,717,480 acres.)

Salary—	
One supervisor	\$2,000 12 mo. \$2,000
One deputy supervisor	1,500 12 mo. 1,500
One forest assistant	1,500 12 mo. 1,500
One clerk	1,020 12 mo. 1,020
Four rangers	1,200 12 mo. 4,800
Four rangers	1,100 12 mo. 4,400
Six rangers	1,000 12 mo. 6,000
Seventeen guards	900 6 mo. 7,650
One guard	900 1 mo. 300
General expenses—Station, field, and travel expenses	29,170
Total	1,155
Total	30,325

## Coeur d'Alene National Forest (Idaho).

(Area, 1,531,684 acres.)

Salary—	
One supervisor	\$2,000 12 mo. \$2,000
One deputy supervisor	1,500 12 mo. 1,500
One forest assistant	1,400 12 mo. 1,400
One clerk	1,020 12 mo. 1,020
Eight rangers	1,200 12 mo. 9,600
Twelve rangers	1,000 12 mo. 12,000
Twenty-two guards	900 6 mo. 9,900
General expenses—Station, field, and travel expenses	37,420
Total	6,056
Total	43,476

## Custer National Forest (Montana).

(Area, 590,720 acres.)

Salary—	
One supervisor	\$1,600 12 mo. \$1,600
One ranger	1,200 12 mo. 1,200
One clerk	900 12 mo. 900
Five rangers	1,000 12 mo. 5,000
Two guards	900 6 mo. 900
One guard	900 3 mo. 225
General expenses—Station, field, and travel expenses	\$9,825
Total	1,165
Total	10,990

## Deerlodge National Forest (Montana).

(Area, 1,082,880 acres.)

Salary—	
One supervisor	\$1,800 12 mo. \$1,800
One deputy supervisor	1,400 12 mo. 1,400
One clerk	1,200 12 mo. 1,200
Two rangers	1,400 12 mo. 2,800
One forest assistant	1,400 12 mo. 1,400
Eight rangers	1,200 12 mo. 9,600
Five rangers	1,000 12 mo. 5,000
Eight guards	900 6 mo. 5,400
General expenses—Station, field, and travel expenses	26,800
Total	3,556
Total	30,356

## Flathead National Forest (Montana).

(Area, 2,131,488 acres.)

Salary—	
One supervisor	\$2,000 12 mo. \$2,000
One deputy supervisor	1,500 12 mo. 1,500
One forest assistant	1,400 12 mo. 1,400
One clerk	1,020 12 mo. 1,020
Two rangers	1,200 12 mo. 2,400
Four rangers	1,100 12 mo. 4,400
Fifteen rangers	1,000 12 mo. 15,000
Twenty-two guards	900 6 mo. 9,900
General expenses—Station, field, and travel expenses	37,620
Total	1,302
Total	11,922

## Gallatin National Forest (Montana).

(Area, 944,640 acres.)

Salary—	
One supervisor	\$1,800 12 mo. \$1,800
One deputy supervisor	1,400 12 mo. 1,400
One clerk	1,020 12 mo. 1,020
Five rangers	1,200 12 mo. 6,000
Five rangers	1,400 12 mo. 5,600
Seven rangers	1,000 12 mo. 7,000
Thirteen guards	900 6 mo. 5,850
One guard	900 4 mo. 300
General expenses—Station, field, and travel expenses	28,870
Total	2,104
Total	30,974

## Helena National Forest (Montana).

(Area, 928,000 acres.)

Salary—	
One supervisor	\$2,000 12 mo. \$2,000
One deputy supervisor	1,400 12 mo. 1,400
One forest assistant	1,400 12 mo. 1,400
One clerk	1,020 12 mo. 1,020
Seven rangers	1,200 12 mo. 8,400
Seven rangers	1,000 12 mo. 7,000
Seven guards	900 6 mo. 3,150
General expenses—Station, field, and travel expenses	24,370
Total	2,650
Total	27,020

## Jefferson National Forest (Montana).

(Area, 1,255,320 acres.)

Salary—	
One supervisor	\$2,000 12 mo. \$2,000
One deputy supervisor	1,500 12 mo. 1,500
One forest assistant	1,500 12 mo. 1,500
One clerk	1,020 12 mo. 1,020
Six rangers	1,200 12 mo. 7,200
Six rangers	1,100 12 mo. 6,600
Ten rangers	1,000 12 mo. 10,000
Twenty-three guards	900 6 mo. 10,350
One guard	900 4 mo. 300
General expenses—Station, field, and travel expenses	40,170
Total	3,965
Total	11,435

## Kaniksi National Forest (Idaho and Washington).

(Area, 956,000 acres.)

Salary—	
One supervisor	\$1,800 12 mo. \$1,800
One deputy supervisor	1,500 12 mo. 1,500
One clerk	1,020 12 mo. 1,020
Three rangers	1,200 12 mo. 3,600



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

Salary—Continued.			
Three rangers.....	1,100	12 mo.	\$3,300
Three rangers.....	1,000	12 mo.	3,000
Seven guards.....	900	6 mo.	3,150
One guard.....	900	4 mo.	300
			\$17,470

General expenses—Station, field, and travel expenses.....	3,200
Total.....	20,670

## Kootenai National Forest (Idaho).

(Area, 1,577,310 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,500	12 mo.	1,500
One clerk.....	1,020	12 mo.	1,020
Two rangers.....	1,200	12 mo.	2,400
Two rangers.....	1,100	12 mo.	2,200
Thirteen guards.....	1,000	12 mo.	13,000
Eleven guards.....	900	6 mo.	1,950
			25,870

General expenses—Station, field, and travel expenses.....	2,408
Total.....	29,278

## Lewis and Clark National Forest (Montana).

(Area, 850,720 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,100	12 mo.	1,400
One clerk.....	900	12 mo.	900
One ranger.....	1,200	12 mo.	1,200
Four rangers.....	1,000	12 mo.	4,000
Five guards.....	900	6 mo.	2,250
One guard.....	900	2½ mo.	175
			11,755

General expenses—Station, field, and travel expenses.....	1,660
Total.....	13,415

## Lolo National Forest (Montana).

(Area, 1,211,680 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,400	12 mo.	1,400
One forest assistant.....	1,400	12 mo.	1,400
One clerk.....	900	12 mo.	900
Two rangers.....	1,200	12 mo.	2,400
Eight rangers.....	1,000	12 mo.	8,000
Four guards.....	900	6 mo.	1,800
			17,700

General expenses—Station, field, and travel expenses.....	1,735
Total.....	19,435

## Moulton National Forest (Montana).

(Area, 1,006,240 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,400	12 mo.	1,400
One forest assistant.....	1,400	12 mo.	1,400
One clerk.....	1,020	12 mo.	1,020
Two rangers.....	1,200	12 mo.	2,400
Four rangers.....	1,100	12 mo.	4,400
Four rangers.....	1,000	12 mo.	1,000
Eight guards.....	900	6 mo.	3,600
One guard.....	900	4 mo.	300
			20,320

General expenses—Station, field, and travel expenses.....	1,169
Total.....	21,489

## Missoula National Forest (Montana).

(Area, 1,224,160 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,600	12 mo.	1,600
One forest assistant.....	1,100	12 mo.	1,400
Two rangers.....	1,200	12 mo.	2,400
Eight rangers.....	1,000	12 mo.	8,000
Three guards.....	900	6 mo.	1,350
One guard.....	900	3 mo.	225
			16,775

General expenses—Station, field, and travel expenses.....	1,730
Total.....	18,505

## Nezperce National Forest (Idaho).

(Area, 1,735,040 acres.)

Salary—			
One supervisor.....	\$1,600	12 mo.	\$1,600
One deputy supervisor.....	1,300	12 mo.	1,300
One clerk.....	900	12 mo.	900
One ranger.....	1,200	12 mo.	1,200
One ranger.....	1,100	12 mo.	1,100
Six rangers.....	1,000	12 mo.	6,000
Eighteen guards.....	900	6 mo.	8,100
One guard.....	900	4 mo.	300
			20,500

General expenses—Station, field, and travel expenses.....	1,213
Total.....	22,413

## Pend d'Oreille National Forest (Idaho).

(Area, 1,102,543 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,400	12 mo.	1,400
One forest assistant.....	1,400	12 mo.	1,400
One clerk.....	1,020	12 mo.	1,020
Two rangers.....	1,200	12 mo.	2,400
Six rangers.....	1,000	12 mo.	6,000
Eleven guards.....	900	6 mo.	1,950
			\$18,970

General expenses—Station, field, and travel expenses.....	2,295
Total.....	21,265

## Shoshone National Forest (Wyoming).

(Area, 1,522,880 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,400	12 mo.	1,400
One forest assistant.....	1,400	12 mo.	1,400
One clerk.....	1,020	12 mo.	1,020
Two rangers.....	1,200	12 mo.	2,400
Four rangers.....	1,100	12 mo.	4,400
Five rangers.....	1,000	12 mo.	5,000
Eight guards.....	900	6 mo.	3,600
One guard.....	900	4 mo.	300
			21,320

General expenses—Station, field, and travel expenses.....	2,620
Total.....	23,940

## Sioux National Forest (Montana and South Dakota).

(Area, 215,813 acres.)

Salary—			
One supervisor.....	\$1,600	12 mo.	\$1,600
One clerk.....	900	12 mo.	900
One ranger.....	1,200	12 mo.	1,200
Five rangers.....	1,000	12 mo.	5,000
One guard.....	900	3 mo.	225
			8,925

General expenses—Station, field, and travel expenses.....	844
Total.....	9,769

## CONSTRUCTION AND REPAIR OF PERMANENT IMPROVEMENTS.

## National Forest District 1—Summary.

## Schedule 40.

Forest.	State.	Expenditures.	Area.
			Acres.
Absaroka.....	Montana.....	\$4,778	885,640
Beartooth.....	Idaho.....	6,285	500,813
Beaverhead.....	Idaho.....	9,761	1,809,359
Big Horn.....	Wyoming.....	6,200	1,151,680
Bitterroot.....	Montana.....	8,615	1,152,864
Blackfoot.....	Idaho.....	16,025	1,993,600
Cabinet.....	Idaho.....	8,730	1,013,840
Clearwater.....	Idaho.....	29,660	2,717,480
Coeur d'Alene.....	Idaho.....	10,763	1,531,684
Custer.....	Montana.....	3,185	590,720
Deerlodge.....	Idaho.....	8,842	1,082,880
Flathead.....	Idaho.....	16,490	2,131,488
Gallatin.....	Idaho.....	9,090	911,640
Helena.....	Idaho.....	5,005	928,000
Jefferson.....	Idaho.....	6,775	1,255,320
Kanab.....	Idaho.....	5,155	956,000
Kootenai.....	Montana.....	9,049	1,677,360
Lewis and Clark.....	Idaho.....	9,589	850,720
Lolo.....	Idaho.....	6,563	1,211,680
Madison.....	Idaho.....	5,755	1,066,240
Missoula.....	Idaho.....	6,605	1,224,160
Nezperce.....	Idaho.....	16,870	1,735,040
Pend d'Oreille.....	Idaho.....	5,948	1,102,543
Shoshone.....	Wyoming.....	8,095	1,522,880
Sioux.....	South Dakota.....	1,326	245,813
Total.....		225,159	31,512,444

## CONSTRUCTION AND MAINTENANCE OF PERMANENT IMPROVEMENTS.

## National Forest District 1.

Absaroka National Forest—		
One ranger's headquarters.....	\$476	
One ranger's headquarters.....	454	
Two barns, at \$125.....	250	
Three miles pasture fence, at \$125.....	375	
Thirty miles telephone lines, at \$60.....	1,800	
Twenty miles trails, at \$60.....	1,200	
Repairs, roads, trails, cabins.....	223	
	<hr/>	\$1,778
Beartooth National Forest—		
Sixteen miles telephone lines, at \$60.....	960	
One ranger's headquarters.....	487	
One ranger's headquarters.....	453	
Two barns, at \$125.....	250	
One bunk house.....	500	

Beartooth National Forest—Continued.	
Three miles pasture fence, at \$125....	\$375
Sixty-eight miles trails, at \$50 .....	3,400
	<hr/>
	6,285

Beaverhead National Forest—	
Twenty-five miles trails, at \$60 .....	1,500
Sixty miles trails, at \$50 .....	3,000
Eighteen miles telephone lines, at \$60 .....	1,080
Three miles road, at \$400 .....	1,200
One ranger's house .....	481
One ranger's house .....	464
One ranger's house .....	445
One barn .....	131
One barn .....	120
One barn .....	108
Five miles pasture fence, at \$125 .....	625
One bunk house .....	287
Repairs, roads, trails, cabins .....	320
	<hr/>
	9,761

Big Horn National Forest—	
One ranger's headquarters .....	483
One ranger's headquarters .....	465
One ranger's headquarters .....	452
One ranger's headquarters .....	420
One barn .....	133
One barn .....	122
Two barns, at \$115.....	230
Five miles pasture fence, at \$125 .....	625
One bunk house .....	350
Forty-two miles trails, at \$50 .....	2,100
Two miles road, at \$300.....	600
Repairs, roads, trails, cabins.....	220
	6,200

Bitterroot National Forest—		8,260
Fifteen miles trails, at \$50.....	750	
Twenty miles trails, at \$75.....	1,500	
Sixty miles trails, at \$60.....	3,600	
One ranger's house.....	475	
One ranger's house.....	475	
One ranger's house.....	475	
Three barns, at \$75.....	225	
Five miles pasture fence, at \$125.....	625	
Repairs, cabins, barns, fences, roads, and trails.....	490	
		8,615

Blackfoot National Forest—		\$, 613
Ten miles road, at \$250	2,500	
Three ranger houses, at \$475	1,425	
Three barns, at \$75	225	
Five miles pasture fence, at \$125	625	
Repairs, roads and trails	1,000	
Repairs, cabins, barns, fences	500	
Seventy miles trail, at \$50	3,500	
Thirty miles trail, at \$75	2,250	
Twenty miles trail, at \$60	1,200	
Cooperative road work	2,000	
One bridge	300	
Two bridges, at \$200	400	
One bridge	100	
		16,025

Cabinet National Forest—		16, 025
One ranger's house.....	475	
One ranger's house.....	475	
Two barns, at \$75.....	150	
Three miles pasture fence, at \$125.....	375	
Twenty miles trail, at \$65.....	1,300	
Fifteen miles trail, at \$70.....	1,050	
Sixty-two miles trail, at \$50.....	3,100	
Repairs, cabins, barns, fences.....	700	
Repairs, 50 miles trail, at \$15.....	750	
Repairs, roads.....	355	

Clearwater National Forest—		8, 130
Six miles pasture fence, at \$125.....	750	
Forty miles telephone lines, at \$55 ...	2, 200	
Two bridges, at \$350.....	700	
One ranger's house.....	463	
One ranger's house.....	428	
One ranger's house.....	386	
One barn.....	130	
One barn.....	118	
One barn.....	110	
Five miles trail, at \$300.....	1, 500	
Sixty-three miles trail, at \$150.....	9, 450	
One hundred and fifty miles trail at \$75.....	11, 250	
Thirty-eight miles trail, at \$50.....	1, 900	
Repairs, trails and roads.....	275	

Coeur d'Alene National Forest—		29,666
Nine miles wagon road, at \$400.....	3,600	
Thirty miles telephone lines, at \$60.....	1,800	
Twenty-six miles trails, at \$15.....	1,170	
Fourteen miles trails, at \$75.....	1,050	
Fifty miles trails, at \$50.....	2,500	
One ranger's house.....	280	
One barn.....	113	
Two miles pasture fence, at \$125.....	250	

Custer National Forest—	10,762
Four miles pasture fence, at \$125 .....	500
Five miles road, at \$165 .....	825
One ranger's headquarters .....	478
One ranger's headquarters .....	455
One ranger's headquarters .....	412
One ranger's headquarters .....	135
One ranger's headquarters .....	125
One ranger's headquarters .....	115
Repairs, roads and cabins .....	110

Deerlodge National Forest—	
Twenty miles telephone lines, at \$60.....	1,200
One ranger's headquarters.....	495
One ranger's headquarters.....	174



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

## Deerlodge National Forest—Continued.

One ranger's headquarters	\$446
One ranger's headquarters	335
One barn	135
One barn	123
One barn	105
One barn	97
Six miles pasture fence, at \$125	750
Twenty-nine miles trails, at \$50	1,450
Forty miles trails, at \$75	3,000
Repairs, roads, trails, cabins	172
	\$8,842

## Flathead National Forest—

Repair, 150 miles trail, at \$20	3,000
Ten miles road, at \$200	2,000
Five ranger houses, at \$475	2,375
Five barns, at \$75	375
Nine miles pasture fence, at \$125	1,125
Repairs, cabins	700
Twenty-five miles telephone lines, at \$60	1,500
One hundred miles trails, at \$50	5,000
One bridge	200
One bridge	100
One bridge	115
	16,490

## Gallatin National Forest—

One ranger's house	480
One ranger's house	448
Two barns, at \$125	250
Three miles pasture fence, at \$125	375
Sixteen miles telephone lines, at \$60	960
One bridge	352
Thirty-one miles trails, at \$60	1,860
Eighty miles trails, at \$50	4,000
Repairs, roads, trails, cabins	365
	9,090

## Helena National Forest—

Ten miles trails, at \$60	600
Twenty-five miles trails, at \$50	1,250
Twenty-five miles telephone lines, at \$60	1,500
Repairs, roads and trails	165
Two ranger's houses, at \$475	950
Two barns, at \$75	150
Three miles pasture fence, at \$130	390
	5,005

## Jefferson National Forest—

Six miles pasture fence, at \$150	900
Twenty-one miles telephone lines, at \$65	1,365
Twenty-six miles trails, at \$50	1,300
One ranger's house	491
One ranger's house	469
One ranger's house	452
One ranger's house	438
One ranger's house	424
Two barns, at \$132	264
One barn	125
Two barns, at \$115	230
Repairs, trails, roads, cabins	217
	6,775

## Kaniksu National Forest—

One ranger's house	465
One ranger's house	448
Two barns, at \$100	200
Two miles pasture fence, at \$125	250
Twenty-six miles trails, at \$60	1,560
Thirty miles trails, at \$50	1,500
One bridge	250
Repairs, roads, and trails	305
Repairs, cabins, barns, fences	177
	5,155

## Kootenai National Forest—

Sixty-two miles trails, at \$55	3,410
Twenty-eight miles trails, at \$40	1,120
Twenty-six miles telephone lines, at \$60	1,560
One ranger's house	468
One ranger's house	433
One ranger's house	384
One ranger's house	128
One barn	116
One barn	110
One barn	500
Four miles pasture fence, at \$125	320
One bridge	235
One bridge	265
Repairs, trails, and cabins	9,049

## Lewis and Clark National Forest—

One ranger's house	485
One ranger's house	479
One ranger's house	250
Two barns, at \$125	375
Three miles pasture fence, at \$125	1,800
Thirty miles trails, at \$60	1,800
One hundred and twenty-four miles trails, at \$50	6,200
	9,589

## Lolo National Forest—

Forty-eight miles trails, at \$70	3,360
One ranger's house	492
One ranger's house	459
One ranger's house	442
One ranger's house	360
Three barns, at \$120	500
Four miles pasture fence, at \$125	950
Nineteen miles telephone lines, at \$50	950
	6,563

## Madison National Forest—

Four miles pasture fence, at \$125	500
Three miles drift fence, at \$125	375
Sixteen miles telephone lines, at \$50	800
Forty-three miles trails, at \$50	2,150
One ranger's house	472

## Madison National Forest—Continued.

One ranger's house	\$447
One ranger's house	428
One barn	140
One barn	127
One barn	108
Repairs, roads, trails, cabins	208
	\$5,765

## Missoula National Forest—

One ranger's house	478
One ranger's house	443
Two barns, at \$110	220
Three miles pasture fence, at \$125	375
Thirty-two miles telephone lines, at \$60	1,920
Twenty-one miles trails, at \$60	1,260
Forty miles trails, at \$40	1,600
Repairs, trails, and cabins	309
	6,605

## Nez Perce National Forest—

One ranger's house	478
One ranger's house	454
One ranger's house	440
One ranger's house	398
One barn	120
Two barns, at \$105	210
Five miles pasture fence, at \$125	625
Thirty-two miles telephone lines, at \$50	1,600
Cooperative road and trail work with county and individuals	3,145
Thirty-eight miles trails, at \$50	1,900
Seventy-five miles trails, at \$100	7,500
	16,870

## Pend d'Oreille National Forest—

One ranger's house	473
One ranger's house	439
One ranger's house	400
Two barns, at \$100	200
Four miles pasture fence, at \$125	500
Twenty-two miles telephone lines, at \$50	1,100
Twenty-five miles trails, at \$50	1,250
Twenty miles trails, at \$40	800
Repairs, trails, cabins, barns, and pasture fences	186
Repairs, 10 miles road, at \$60	600
	5,948

## Shoshone National Forest—

Twenty miles trails, at \$50	1,000
Repairs, 65 miles trails, at \$30	1,950
Four ranger's houses, at \$480	1,920
Four barns, at \$60	320
Seven miles pasture fence, at \$125	875
Twenty-five miles telephone lines, at \$70	1,750
Repairs 7 miles road, at \$40	280
	8,095

## Sioux National Forest—

Clearing out 25 miles trails, at \$20	500
One ranger's house	420
One barn	100
One mile pasture fence	125
Repairs, buildings, roads, and trails	181
	1,326

Total.....225,159

## NATIONAL FOREST DISTRICT 2—HEADQUARTERS, DENVER, COLO.

## Summary.

Administration	\$7,280
Operation	33,020
Silviculture	31,780
Grazing	7,260
Products	10,500
Lands	26,980
Contingent (for fighting forest fires and for other unforeseen emergencies)	25,000
Use, maintenance, and protection National Forests	609,284
Permanent improvements upon National Forests	116,708
Total	\$67,812

## Administration.

Schedule 41.	
District forester in charge	2,200
Travel and field expenses	1,000
Assistant district forester	2,000
Travel and field expenses	1,000
One stenographer	1,080
Total	7,280

## Operation.

Schedule 42.	
Supervision—	
Assistant in charge	\$1,800
Travel and field expenses	1,000
One assistant	1,700
Travel and field expenses	1,000
One stenographer	1,020
One stenographer	960
Total	7,480

## Schedule 43.

Supervision—	
Assistant in charge	\$1,800
Travel and field expenses	1,000
One assistant	1,700
Travel and field expenses	1,000
One stenographer	1,020
One stenographer	960
Total	7,480

## Engineering—

Engineer in charge	\$1,800
Travel and field expenses	800
One engineer	1,500
Travel and field expenses	600
One engineer	1,200
Travel and field expenses	600
One stenographer	900
	\$7,100

## Accounts—

Fiscal agent	1,800
One bookkeeper	1,600
One auditor	1,400
One stenographer	1,020
Two clerks, at \$200	1,800
	7,620

## Maintenance—

Clerk in charge	1,320
One stenographer	1,020
One stenographer	960
One clerk	900
Two messengers, at \$660	1,320
Rent, light, heat, and janitor	5,000
	10,520

Total.....33,020

## Silviculture.

## Schedule 44.

Supervision—	
Assistant in charge	1,500
Travel and field expenses	900
One assistant	1,400
Travel and field expenses	900
One stenographer	1,020
	5,720

## Timber sales—

Assistant in charge	1,200
Travel and field expenses	600
Two assistants, at \$1,200	2,400
Travel and field expenses, at \$600	1,200
Three lumbermen, at \$1,800	5,400
Travel and field expenses, at \$800	2,400
Two scalers, at \$1,400	2,800
Travel and field expenses, at \$700	1,400
One stenographer	960
One file clerk	900
	19,260

## Forest planting—

Assistant in charge	1,900
Travel and field expenses	800
One stenographer	900
	3,600

## Silvies—

Assistant in charge	1,500
Travel and field expenses	800
One stenographer	900
	3,200

Total.....31,780

## Grazing.

## Schedule 45.

Assistant in charge	1,900
Travel and field expenses	900
One assistant	1,400
Travel and field expenses	900
One stenographer	1,200
One clerk	960
	7,260

## Products.

## Schedule 46.

Expert in charge	1,600
Travel and field expenses	800
One assistant	1,400
Travel and field expenses	800
One stenographer	900
One assistant in charge of laboratory at Boulder	1,400
One assistant	1,000
One assistant	800
Equipment and testing expenses	1,800
	10,500

Total.....10,500

## Lands.

## Schedule 47.

Supervision—	
Assistant in charge	\$1,600
Travel and field expenses	600
One stenographer	1,020
	3,220

## Occupancy—

Assistant in charge	1,800
Travel and field expenses	500
Six examiners, at \$1,500	9,000
Travel and field expenses, at \$800	4,800
One land law clerk	1,200
One stenographer	960
One clerk	900
	19,160

## Maps—

One draftsman	1,500
One draftsman	1,200
One draftsman	1,000
One file clerk	900
	4,600

Total.....26,980

## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

## USE, MAINTENANCE, AND PROTECTION OF THE NATIONAL FORESTS.

## National Forest District 2—Summary.

## Schedule 18.

Forest.	Salary.	Gen. and ex- penses.	Forest plant- ing.	Total.	Area.
Apache.....	\$10,550	\$1,810	.....	\$12,360	761,440
Batthornt.....	18,500	1,500	.....	19,800	797,720
Black Hills.....	30,720	3,516	.....	34,236	1,163,160
Cheyenne.....	41,320	4,021	.....	45,341	617,932
Cochitopa.....	16,020	1,475	.....	17,495	922,240
Gunnison.....	23,100	2,503	.....	25,603	973,440
Hayden.....	31,200	2,800	.....	34,000	455,511
Holy Cross.....	29,250	3,556	.....	32,806	1,290,880
Kansas.....	5,425	3,220	.....	8,645	97,280
La Sal.....	10,850	1,750	.....	12,600	474,130
Las Animas.....	9,050	931	.....	9,981	195,620
Leadville.....	29,300	2,269	.....	31,569	1,100,400
Medicine Bow.....	19,300	1,330	.....	20,630	692,540
Minnesota.....	18,525	5,460	.....	23,985	225,000
Montezuma.....	23,450	2,436	.....	25,886	1,176,580
Nebraska.....	13,320	3,475	.....	16,795	556,072
Pike.....	39,950	1,926	.....	41,876	1,336,000
Rio Grande.....	37,600	2,352	.....	39,952	1,265,600
Routt.....	17,600	1,875	.....	19,475	1,048,083
San Isabel.....	17,000	1,610	.....	18,610	560,848
San Juan.....	26,100	2,616	.....	28,716	1,419,840
Sandwich.....	12,800	1,588	.....	14,388	183,221
Uncompag- re.....	28,100	3,267	.....	31,367	911,120
White River.....	19,950	1,785	.....	21,735	970,880
Total.....	416,980	63,204	29,109	609,281	19,227,543

## Apache National Forest (Colorado).

(Area, 761,440 acres.)

Salary—	
One supervisor.....	\$1,700 12 mo. \$1,700
One deputy supervisor.....	1,500 12 mo. 1,500
One clerk.....	900 12 mo. 900
One ranger.....	1,200 12 mo. 1,200
Five rangers.....	1,000 12 mo. 5,000
One guard.....	900 6 mo. 450
General expenses—Station, field, and travel ex- penses.....	1,810
Total.....	12,360

## Batthornt National Forest (Colorado).

(Area, 797,720 acres.)

Salary—	
One supervisor.....	\$1,800 12 mo. \$1,800
One deputy supervisor.....	1,500 12 mo. 1,500
One clerk.....	900 12 mo. 900
Three rangers.....	1,200 12 mo. 3,600
Three rangers.....	1,100 12 mo. 3,300
Six rangers.....	1,000 12 mo. 6,000
Three guards.....	900 1 mo. 1,200
General expenses—Station, field, and travel ex- penses.....	1,500
Total.....	19,800

## Black Hills National Forest (South Dakota).

(Area, 1,163,160 acres.)

Salary—	
One supervisor.....	\$2,400 12 mo. \$2,400
One deputy supervisor.....	1,500 12 mo. 1,500
One clerk.....	1,020 12 mo. 1,020
Four rangers.....	1,200 12 mo. 4,800
Two forest assistants.....	1,500 12 mo. 3,000
Five rangers.....	1,100 12 mo. 5,500
Eighteen rangers.....	1,000 12 mo. 18,000
Ten guards.....	900 6 mo. 4,500
General expenses—Station, field, and travel ex- penses.....	3,516
Total.....	41,236

## Cheyenne National Forest (Wyoming).

(Area, 617,932 acres.)

Salary—	
One supervisor.....	\$2,400 12 mo. \$2,400
One deputy supervisor.....	1,500 12 mo. 1,500
One clerk.....	1,020 12 mo. 1,020
Four rangers.....	1,200 12 mo. 4,800
Two forest assistants.....	1,500 12 mo. 3,000
Five rangers.....	1,100 12 mo. 5,500
Eighteen rangers.....	1,000 12 mo. 18,000
Ten guards.....	900 6 mo. 4,500
General expenses—Station, field, and travel ex- penses.....	4,021
Total.....	45,341

## Cochitopa National Forest (Colorado).

(Area, 922,240 acres.)

Salary—	
One supervisor.....	\$1,500 12 mo. \$1,500
One clerk.....	1,020 12 mo. 1,020
Three rangers.....	1,200 12 mo. 3,600
Nine rangers.....	1,000 12 mo. 9,000
Two guards.....	900 6 mo. 900
General expenses—Station, travel, and field ex- penses.....	1,475
Total.....	17,495

## Gunnison National Forest (Colorado).

(Area, 973,440 acres.)

Salary—	
One supervisor.....	\$1,700 12 mo. \$1,700
One deputy supervisor.....	1,400 12 mo. 1,400
One forest assistant.....	1,100 12 mo. 1,100
One clerk.....	1,200 12 mo. 1,200
Four rangers.....	1,200 12 mo. 4,800
Eight rangers.....	1,000 12 mo. 8,000
Eight guards.....	900 6 mo. 2,600
General expenses—Station, field, and travel ex- penses.....	2,503
Total.....	24,803

## Hayden National Forest (Wyoming).

(Area, 455,511 acres.)

Salary—	
One supervisor.....	\$1,600 12 mo. \$1,600
One deputy supervisor.....	1,400 12 mo. 1,400
One forest assistant.....	1,500 12 mo. 1,500
One clerk.....	1,200 12 mo. 1,200
Four rangers.....	1,200 12 mo. 4,800
Eight rangers.....	1,000 12 mo. 8,000
Six guards.....	900 6 mo. 2,500
General expenses—Station, field, and travel ex- penses.....	2,800
Total.....	21,000

## Holy Cross National Forest (Colorado).

(Area, 1,290,880 acres.)

Salary—	
One supervisor.....	\$2,000 12 mo. \$2,000
One deputy supervisor.....	1,600 12 mo. 1,600
One forest assistant.....	1,500 12 mo. 1,500
One clerk.....	1,200 12 mo. 1,200
Eight rangers.....	1,200 12 mo. 9,600
Three rangers.....	1,100 12 mo. 3,300
Nine rangers.....	1,000 12 mo. 9,000
One guard.....	900 8 mo. 600
One guard.....	900 6 mo. 450
General expenses—Station, field, and travel ex- penses.....	3,556
Total.....	32,806

## Kansas National Forest (Kansas).

(Area, 97,280 acres.)

Salary—	
One supervisor (acting).....	\$1,200 12 mo. \$1,200
Four rangers.....	1,000 12 mo. 4,000
One guard.....	900 3 mo. 225
General expenses—Station, field, and travel ex- penses.....	5,425
Garden City Planting Station— Salary, 2 experts, \$900 and \$1,100.....	\$2,000
Expenses, nursery and planting.....	7,500
Total.....	18,145

## La Sal National Forest (Utah).

(Area, 474,130 acres.)

Salary—	
One supervisor.....	\$1,800 12 mo. \$1,800
One deputy supervisor.....	1,400 12 mo. 1,400
One clerk.....	1,200 12 mo. 1,200
One ranger.....	1,200 12 mo. 1,200
Three rangers.....	1,000 12 mo. 3,000
Five guards.....	900 6 mo. 2,250
General expenses—Station, field, and travel ex- penses.....	1,750
Total.....	12,600

## Las Animas National Forest (Colorado).

(Area, 195,620 acres.)

Salary—	
One supervisor.....	\$1,500 12 mo. \$1,500
Five rangers.....	1,000 12 mo. 5,000
Two rangers.....	900 12 mo. 1,800
Two guards.....	900 5 mo. 750
General expenses—Station, field, and travel ex- penses.....	934
Total.....	9,984

## Leadville National Forest (Colorado).

(Area, 1,100,400 acres.)

Salary—	
One supervisor.....	\$2,000 12 mo. \$2,000
One deputy supervisor.....	1,500 12 mo. 1,500
One forest assistant.....	1,500 12 mo. 1,500
One clerk.....	1,200 12 mo. 1,200
Eight rangers.....	1,200 12 mo. 9,600
Three rangers.....	1,100 12 mo. 3,300
Nine rangers.....	1,000 12 mo. 9,000
Two guards.....	900 8 mo. 1,200
General expenses—Station, field, and travel ex- penses.....	2,260
Total.....	31,560

## Medicine Bow National Forest (Colorado).

(Area, 692,540 acres.)

Salary—	
One supervisor.....	\$2,350 12 mo. \$2,350
One deputy supervisor.....	1,500 12 mo. 1,500
One forest assistant.....	1,500 12 mo. 1,500
One clerk.....	1,200 12 mo. 1,200
Two rangers.....	1,100 12 mo. 2,200
Two rangers.....	1,200 12 mo. 2,400
Six rangers.....	1,000 12 mo. 6,000
Five guards.....	900 6 mo. 2,250
General expenses—Station, field, and travel ex- penses.....	1,330
Total.....	20,630

## Minnesota National Forest (Minnesota).

(Area, 225,000 acres.)

Salary—	
One supervisor.....	\$1,800 12 mo. \$1,800
One deputy supervisor.....	1,500 12 mo. 1,500
One clerk.....	900 12 mo. 900
Three rangers.....	1,200 12 mo. 3,600
Three rangers.....	1,100 12 mo. 3,300
Six rangers.....	1,000 12 mo. 6,000
Three guards.....	900 4 mo. 1,200
One guard.....	900 3 mo. 225
General expenses—Station, field, and travel ex- penses (including forest planting).....	5,460
Total.....	23,985

## Montezuma National Forest (Colorado).

(Area, 1,176,580 acres.)

Salary—	
One supervisor.....	\$2,000 12 mo. \$2,000
One deputy supervisor.....	1,500 12 mo. 1,500
One clerk.....	1,200 12 mo. 1,200
Four rangers.....	1,200 12 mo. 4,800
Three rangers.....	1,100 12 mo. 3,300
Eight rangers.....	1,000 12 mo. 8,000
Two guards.....	900 8 mo. 1,200
One guard.....	900 6 mo. 450
General expenses—Station, field, and travel ex- penses.....	2,436
Total.....	24,886

## Nebraska National Forest (Nebraska).

(Area, 556,072 acres.)

Salary—	
One supervisor.....	\$1,800 12 mo. \$1,800
One deputy supervisor.....	1,400 12 mo. 1,400
One clerk.....	1,020 12 mo. 1,020
One ranger.....	1,200 12 mo. 1,200
Seven rangers.....	1,000 12 mo. 7,000
Two guards.....	900 6 mo. 900
General expenses—Station, field, and travel ex- penses.....	3,475
Planting Station (Halsey)— Salary, 2 experts, \$1,000 and \$1,100.....	\$2,100
Expenses, nursery and planting.....	8,000
Total.....	26,895

## Pike National Forest (Colorado).

(Area, 1,336,000 acres.)

Salary—	
One supervisor.....	\$2,000 12 mo. \$2,000
One deputy supervisor.....	1,700 12 mo. 1,700
One forest assistant.....	1,600 12 mo. 1,600
One clerk.....	1,200 12 mo. 1,200
One clerk.....	900 12 mo. 900
Four rangers.....	1,300 12 mo. 5,200
Three rangers.....	1,200 12 mo. 3,600
Six rangers.....	1,100 12 mo. 6,600
Fourteen rangers.....	1,000 12 mo. 14,000
Seven guards.....	900 6 mo. 3,150
General expenses—Station, field, and travel ex- penses.....	4,926
Pikes Peak Planting Station— Salary, 2 experts, \$900 and \$1,100.....	2,000
Expenses, nursery and planting.....	7,500
Total.....	54,376



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

Rio Grande National Forest (Colorado).			
(Area, 1,265,600 acres.)			
Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,700	12 mo.	1,700
One forest assistant.....	1,600	12 mo.	1,600
One clerk.....	1,200	12 mo.	1,200
Eight rangers.....	1,200	12 mo.	9,600
Three rangers.....	1,100	12 mo.	3,300
Seven rangers.....	1,000	12 mo.	7,000
Two guards.....	900	8 mo.	1,200
General expenses—Station, field, and travel expenses.....			2,352
Total.....			29,952
Routt National Forest (Colorado).			
(Area, 1,048,086 acres.)			
Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,500	12 mo.	1,500
One clerk.....	1,200	12 mo.	1,200
Three rangers.....	1,200	12 mo.	3,600
Three rangers.....	1,100	12 mo.	3,300
Five rangers.....	1,000	12 mo.	5,000
Four guards.....	900	4 mo.	1,200
General expenses—Station, field, and travel expenses.....			1,875
Total.....			19,475
San Isabel National Forest (Colorado).			
(Area, 560,848 acres.)			
Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,500	12 mo.	1,500
One clerk.....	1,200	12 mo.	1,200
Three rangers.....	1,200	12 mo.	3,600
Three rangers.....	1,100	12 mo.	3,300
Five rangers.....	1,000	12 mo.	5,000
Two guards.....	900	4 mo.	600
General expenses—Station, field, and travel expenses.....			1,610
Total.....			18,610
San Juan National Forest (Colorado).			
(Area, 1,419,840 acres.)			
Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,500	12 mo.	1,500
One forest assistant.....	1,500	12 mo.	1,500
One clerk.....	1,200	12 mo.	1,200
Seven rangers.....	1,200	12 mo.	8,400
Three rangers.....	1,100	12 mo.	3,300
Seven rangers.....	1,000	12 mo.	7,000
Two guards.....	900	8 mo.	1,200
General expenses—Station, field, and travel expenses.....			2,615
Total.....			28,715
Sundance National Forest (Wyoming).			
(Area, 183,224 acres.)			
Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
Three rangers.....	1,200	12 mo.	3,600
Six rangers.....	1,000	12 mo.	6,000
Four guards.....	900	4 mo.	1,200
General expenses—Station, field, and travel expenses.....			1,588
Total.....			14,388
Uncompahgre National Forest (Colorado).			
(Area, 941,120 acres.)			
Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,500	12 mo.	1,500
One forest assistant.....	1,200	12 mo.	1,200
One clerk.....	1,200	12 mo.	1,200
Eight rangers.....	1,200	12 mo.	9,600
Four rangers.....	1,100	12 mo.	4,400
Seven rangers.....	1,000	12 mo.	7,000
Four guards.....	900	4 mo.	1,200
General expenses—Station, field, and travel expenses.....			3,207
Total.....			31,307
White River National Forest (Colorado).			
(Area, 970,880 acres.)			
Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,500	12 mo.	1,500
One clerk.....	1,200	12 mo.	1,200
Four rangers.....	1,200	12 mo.	4,800
Two rangers.....	1,100	12 mo.	2,200
Five rangers.....	1,000	12 mo.	5,000
Five guards.....	900	6 mo.	2,250
Four guards.....	900	4 mo.	1,200
General expenses—Station, field, and travel expenses.....			1,785
Total.....			21,735

## CONSTRUCTION AND REPAIR OF PERMANENT IMPROVEMENTS.

## National Forest District 2—Summary.

## Schedule 49.

Forest.	State.	Expenditures.	Area.
Acres.			
Arapaho.....	Colorado.....	\$8,857	761,440
Battlement.....	do.....	4,303	795,720
Black Hills.....	South Dakota.....	6,275	1,163,160
Cheyenne.....	Wyoming.....	3,333	617,382
Cochetopa.....	Colorado.....	4,965	922,240
Gunnison.....	do.....	5,251	973,410
Hayden.....	Wyoming.....	2,462	456,511
Holy Cross.....	do.....	6,964	1,290,880
Kansas.....	Kansas.....	524	97,280
La Sal.....	Utah.....	2,557	474,130
Las Animas.....	do.....	1,060	196,620
Leadville.....	do.....	7,886	1,100,400
Medicine Bow.....	do.....	3,736	692,510
Minnesota.....	Minnesota.....	1,213	225,000
Montezuma.....	Colorado.....	6,347	1,176,580
Nebraska.....	Nebraska.....	3,000	556,072
Pike.....	Colorado.....	7,207	1,336,000
Rio Grande.....	do.....	6,827	1,265,600
Routt.....	do.....	9,954	1,048,086
San Isabel.....	do.....	3,025	560,848
San Juan.....	do.....	7,660	1,419,840
Sundance.....	Wyoming.....	988	183,224
Uncompahgre.....	Colorado.....	5,077	911,120
White River.....	do.....	7,237	970,880
Total.....		116,708	19,227,543

## CONSTRUCTION AND MAINTENANCE OF PERMANENT IMPROVEMENTS.

## National Forest District 2.

Arapaho National Forest—			
Seven miles wagon road, at \$200.....	\$1,800		
One ranger's headquarters.....	470		
One barn.....	120		
One mile pasture fence.....	125		
Thirty miles trail, at \$75.....	2,250		
Sixty-two miles telephone line, at \$50.....	3,100		
Sixteen miles trail, at \$30.....	480		
One bridge.....	200		
Repairs, roads, trails, and cabins.....	312		
Battlement National Forest—			
Six miles drift fence, at \$125.....	750		
Two miles road, at \$300.....	600		
One ranger's headquarters.....	500		
One barn.....	120		
One mile pasture fence, at \$125.....	125		
Cleaning and protecting 6 watering holes, at \$50.....	300		
Twenty-five miles telephone lines, at \$50.....	1,250		
Four miles boundary fence, at \$125.....	500		
Repairs, roads, trails, and cabins.....	158		
Black Hills National Forest—			
One ranger's headquarters.....	485		
One ranger's headquarters.....	463		
One ranger's headquarters.....	432		
One barn.....	135		
Two barns, at \$120.....	240		
Four miles pasture fence, at \$125.....	500		
Thirty-seven miles telephone lines, at \$60.....	2,220		
Seven miles road, at \$225.....	1,575		
Repairs, roads, trails, cabins.....	225		
Cheyenne National Forest—			
One ranger's headquarters.....	460		
One ranger's headquarters.....	240		
One barn.....	110		
Two miles pasture fence, at \$125.....	250		
Twenty miles telephone lines, at \$50.....	1,000		
One bridge.....	300		
One bridge.....	200		
Three miles road (cooperative), at \$200.....	600		
Repairs, roads, trails, cabins.....	173		
Cochetopa National Forest—			
Three miles pasture fence, at \$125.....	375		
Eight miles drift fence, at \$125.....	1,000		
Thirty-two miles trails, at \$50.....	1,600		
Two miles road, at \$250.....	500		
One ranger's headquarters.....	450		
One ranger's headquarters.....	300		
Repairs, roads, trails, cabins.....	240		
Two barns, at \$120.....	240		
Gunnison National Forest—			
Repairs, trails, and roads.....	251		
Repairs, cabins, and barns.....	300		
Twenty miles trails, at \$65.....	1,300		
Ten miles trails, at \$50.....	500		
Ten miles drift fence.....	1,250		
Cleaning and repairing five watering places for stock, at \$50.....	250		
One bridge.....	200		
Eight miles fire line, at \$150.....	1,200		
Hayden National Forest—			
One ranger's house.....	\$475		
One barn.....	75		
Two miles pasture fence, at \$125.....	250		
Repairs, cabins, barns, and fences.....	187		
Repairs, roads, and trails.....	100		
Three miles drift fence, at \$125.....	375		
Twenty miles trails, at \$50.....	1,000		
Holy Cross National Forest—			
Twenty miles telephone lines, at \$60.....	1,200		
Repairs, twenty miles trails, at \$20.....	400		
Repairs, nine miles road, at \$100.....	900		
Twenty miles trails, at \$50.....	1,000		
Twenty-five miles trails, at \$70.....	1,750		
Repairs, cabins and barns.....	314		
Repairs, two bridges, at \$200.....	400		
Repairs, one ranger house.....	475		
Repairs, one barn.....	75		
Two miles pasture fence, at \$125.....	250		
Kansas National Forest—			
Repairs, cabins, trails, roads.....	224		
Three miles fire line, at \$100.....	300		
La Sal National Forest—			
One ranger's house.....	465		
One ranger's house.....	135		
Two barns, at \$100.....	200		
Two miles pasture fence, at \$125.....	250		
Three miles drift fence, at \$125.....	375		
Cleaning and protecting eight watering places for stock, at \$50.....	400		
Six miles trails, at \$10.....	210		
Repairs, roads, trails, and cabins.....	192		
Las Animas National Forest—			
Sixteen miles trails, at \$50.....	800		
Repairs, roads, cabins, trails, barns, and fences.....	260		
Leadville National Forest—			
One ranger's house.....	180		
One ranger's house.....	460		
One ranger's house.....	420		
One ranger's house.....	370		
Three barns, at \$125.....	375		
Five miles pasture fence, at \$125.....	625		
One bunk house (2 rooms).....	300		
Two miles road, at \$150.....	300		
Twelve miles trails, at \$75.....	900		
Forty-one miles trails, at \$50.....	2,050		
Twelve miles telephone lines, at \$55.....	660		
Repairs, roads, trails, and cabins.....	316		
Medicine Bow National Forest—			
Repairs, roads, and trails.....	326		
Twenty miles trails, at \$60.....	1,200		
Thirteen miles trails, at \$50.....	650		
Two ranger's houses, at \$475.....	950		
Two barns, at \$75.....	150		
Three miles pasture fence, at \$130.....	390		
Minnesota National Forest—			
One ranger's house.....	485		
One barn.....	135		
One mile pasture fence.....	143		
Two and one-half miles fire lines, at \$180.....	450		
Montezuma National Forest—			
Four miles pasture fence, at \$125.....	500		
Three miles drift fences, at \$125.....	375		
Thirty-five miles telephone lines, at \$55.....	1,915		
Four miles trails, at \$100.....	400		
Thirteen miles trails, at \$50.....	650		
One ranger's house.....	185		
Two ranger's houses, at \$145.....	910		
One ranger's house.....	120		
Two barns, at \$120.....	240		
Two barns, at \$110.....	220		
Repairs, roads, trails, cabins.....	222		
Nebraska National Forest—			
One ranger's house.....	465		
One barn.....	125		
One mile pasture fence.....	125		
One tool house.....	135		
Seven miles telephone line, at \$50.....	350		
Nine miles fire lines, at \$200.....	1,800		
Pike National Forest—			
Ten miles boundary and drift fence, at \$125.....	1,250		
One ranger's house.....	485		
One ranger's house.....	470		
One ranger's cabin.....	390		
Three barns, at \$110.....	330		
Six miles pasture fence, at \$125.....	750		
Ten miles trail, at \$100.....	1,000		
Ten miles trail, at \$80.....	800		
Twelve miles trail, at \$10.....	480		
Cleaning and protecting 6 watering places for stock, at \$40.....	240		
Six miles drift fence, at \$125.....	750		
Repairs, roads, trails, and cabins.....	262		
Rio Grande National Forest—			
Five miles wagon road, at \$300.....	1,500		
Repairs, trails, and cabins.....	322		
Ten miles drift fence, at \$125.....	1,250		
Cleaning and repairing 3 watering places for stock, at \$50.....	150		



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

<b>Rio Grande National Forest—Continued.</b>	
Thirty miles trails, at \$60.....	\$1,800
Twenty miles trails, at \$50.....	1,000
One ranger's house, at \$180.....	480
One barn.....	75
Two miles pasture fence, at \$125.....	250
	\$6,827
<b>Roubt National Forest—</b>	
Three barns, at \$115.....	345
One ranger's house.....	485
One ranger's house.....	465
One ranger's house.....	455
Four miles pasture fence, at \$125.....	500
Twenty miles telephone lines, \$50.....	1,000
Seven miles road, at \$300.....	2,100
Forty-two miles trail, at \$50.....	2,100
Fifty-five miles trail, at \$40.....	2,200
Repairs, roads, trails, cabins.....	304
	9,954
<b>San Isabel National Forest—</b>	
One ranger's house.....	485
One ranger's house.....	455
Two barns, at \$120.....	240
Two miles pasture fence, at \$125.....	250
Four miles drift fence, at \$125.....	500
Cleaning and protecting 6 watering places for stock, at \$10.....	240
One bridge for stock.....	150
Eleven miles trail, at \$40.....	440
Repairs, roads, trails, cabins.....	265
	3,025
<b>San Juan National Forest—</b>	
Cleaning and protecting 4 watering places for stock, at \$10.....	160
Ten miles drift fence, at \$125.....	1,250
Twenty-five miles trails, at \$70.....	1,650
Twenty-five miles trails, at \$60.....	1,500
Three cabins, at \$175.....	1,425
Three barns, at \$75.....	225
Five miles pasture fence, at \$125.....	625
One bridge.....	350
Two bridges, at \$75.....	150
Repairs, roads, trails and cabins.....	324
	7,660
<b>Sundance National Forest—</b>	
One ranger's house.....	467
One mile pasture fence.....	146
One barn.....	100
Repairs, cabins, trails, roads.....	274
	988
<b>Uncampahgre National Forest—</b>	
One ranger's house.....	474
One ranger's house.....	445
One ranger's house.....	435
Three barns, at \$110.....	330
Four miles pasture fence, at \$125.....	500
Five miles drift fence, at \$125.....	625
Cleaning and protecting 11 watering places for stock, at \$10.....	140
Twenty-nine miles telephone lines, at \$50.....	1,450
Repairs, roads, trails, cabins.....	377
	5,077
<b>White River National Forest—</b>	
Four miles drift fence, at \$125.....	500
Cleaning and protecting 8 watering places for cattle, at \$10.....	320
One ranger's house.....	470
One ranger's house.....	445
Two barns, at \$110.....	220
Three miles pasture fence, at \$125.....	375
Cleaning 3 miles cattle drive, at \$75.....	225
Twenty-four miles telephone lines, at \$60.....	1,440
Sixty miles trails, at \$50.....	3,000
Repairs, roads, trails, cabins.....	242
	7,237
Total.....	116,708
<b>NATIONAL FOREST DISTRICT 3—HEADQUARTERS, ALBUQUERQUE, N. MEX.</b>	
<i>Summary.</i>	
<i>Schedule 50.</i>	
Administration.....	\$7,220
Operation.....	31,960
Silviculture.....	27,380
Grazing.....	7,380
Products.....	5,160
Lands.....	29,080
Contingent (for fighting forest fires and for other unforeseen emergencies).....	25,000
	\$133,180
Use, maintenance, and protection, National Forests.....	499,723
Permanent improvements upon National Forests.....	125,668
Total.....	758,571
<i>Administration.</i>	
<i>Schedule 51.</i>	
District forester in charge.....	4,400
Travel and field expenses.....	1,000
Assistant district forester.....	1,800
Travel and field expenses.....	1,000
One stenographer.....	1,020
Total.....	7,220

<i>Operation.</i>	
<i>Schedule 52.</i>	
<i>Supervision—</i>	
Assistant in charge.....	\$1,500
Travel and field expenses.....	1,000
One assistant.....	1,400
Travel and field expenses.....	1,000
One stenographer.....	1,080
One stenographer.....	900
	\$6,880
<i>Engineering—</i>	
Engineer in charge.....	1,800
One lookkeeper.....	800
One engineer.....	1,500
Travel and field expenses.....	600
One engineer.....	1,200
Travel and field expenses.....	600
One stenographer.....	960
	7,460
<i>Accounts—</i>	
Fiscal agent.....	1,600
One bookkeeper.....	1,400
One auditor.....	1,100
One stenographer.....	1,020
Two clerks, at \$900.....	1,800
	7,220
<i>Maintenance—</i>	
Clerk in charge.....	1,200
One stenographer.....	1,020
One stenographer.....	960
One clerk.....	800
Two messengers, at \$60.....	1,320
Rent, light, heat, and janitor service.....	5,000
	10,400
Total.....	31,960
<i>Silviculture.</i>	
<i>Schedule 53.</i>	
<i>Supervision—</i>	
Assistant in charge.....	2,000
Travel and field expenses.....	900
One assistant.....	1,600
Travel and field expenses.....	990
One stenographer.....	1,020
	6,410
<i>Timber sales—</i>	
Assistant in charge.....	1,200
Travel and field expenses.....	600
Two assistants, at \$1,200.....	2,400
Travel and field expenses, at \$400.....	1,200
Two lumbermen, at \$1,800.....	3,600
Travel and field expenses, at \$800.....	1,600
One scaler.....	1,400
Travel and field expenses.....	700
One stenographer.....	960
One file clerk.....	900
	14,560
<i>Forest planting—</i>	
Assistant in charge.....	1,600
Travel and field expenses.....	800
One stenographer.....	900
	3,300
<i>Silvics—</i>	
Assistant in charge.....	1,400
Travel and field expenses.....	800
One stenographer.....	900
	3,100
Total.....	27,380
<i>Grazing.</i>	
<i>Schedule 54.</i>	
Assistant in charge.....	2,000
Travel and field expenses.....	900
One assistant.....	1,600
Travel and field expenses.....	900
One stenographer.....	1,080
One clerk.....	900
Total.....	7,380
<i>Products.</i>	
<i>Schedule 55.</i>	
Expert in charge.....	1,600
Travel and field expenses.....	800
One assistant.....	1,000
Travel and field expenses.....	800
One stenographer.....	960
Total.....	5,160
<i>Lands.</i>	
<i>Schedule 56.</i>	
<i>Supervision—</i>	
Assistant in charge.....	1,600
Travel and field expenses.....	600
One stenographer.....	1,020
	3,220
<i>Occupancy—</i>	
Assistant in charge.....	1,600
Travel and field expenses.....	500
Seven examiners, at \$1,500.....	10,500
Travel and field expenses, at \$800.....	5,600
One land law clerk.....	1,200
One stenographer.....	960
One clerk.....	900
	21,260

<i>Map—</i>	
One draftsman.....	\$1,500
One draftsman.....	1,200
One draftsman.....	1,000
One file clerk.....	900
	\$4,600
Total.....	29,080
<b>USE, MAINTENANCE, AND PROTECTION OF THE NATIONAL FORESTS—NATIONAL FOREST DISTRICT 3.</b>	
<i>Summary.</i>	
<i>Schedule 57.</i>	
Forest.....	Salary.....
General expenses.....	Planting stations.....
Total.....	Area.....
<i>Acres.</i>	
Alamo.....	\$23,025
Apache.....	15,520
Arkansas.....	33,720
Carson.....	18,300
Chiricahua.....	11,600
Cocconino.....	53,820
Coronado.....	11,650
Crook.....	14,100
Datil.....	14,425
Garcias.....	13,025
Gila.....	33,520
Jemez.....	25,920
Lincoln.....	13,175
Luquillo.....	9,200
Magdalena.....	14,950
Manzano.....	11,800
Ozark.....	18,570
Pecos.....	10,550
Prescott.....	19,320
Sitgreaves.....	12,450
Tonto.....	23,545
Wichita.....	5,600
Total.....	409,785
General expenses—Station, travel, and field expenses.....	59,238
Total.....	30,700
Area.....	499,723
Area.....	22,582,892
<b>Alamo National Forest (New Mexico).</b>	
<i>(Area, 1,164,906 acres.)</i>	
<i>Salary—</i>	
One supervisor.....	\$2,000 12 mo. \$2,000
One deputy supervisor.....	1,500 12 mo. 1,500
One clerk.....	1,200 12 mo. 1,200
Four rangers.....	1,200 12 mo. 4,800
Six rangers.....	1,100 12 mo. 6,600
Four rangers.....	1,000 12 mo. 4,000
Three guards.....	900 8 mo. 1,800
Three guards.....	900 5 mo. 1,125
	\$23,025
<i>General expenses—Station, travel, and field expenses.....</i>	
	2,800
Total.....	25,825
<b>Apache National Forest (Arizona).</b>	
<i>(Area, 1,304,320 acres.)</i>	
<i>Salary—</i>	
One supervisor.....	\$2,000 12 mo. \$2,000
One clerk.....	1,020 12 mo. 1,020
Two rangers.....	1,200 12 mo. 2,400
Five rangers.....	1,000 12 mo. 5,000
Two rangers.....	1,100 12 mo. 2,200
Six guards.....	900 6 mo. 2,700
One guard.....	900 3 mo. 300
	15,520
<i>General expenses—Station, field, and travel expenses.....</i>	
	1,094
Total.....	16,616
<b>Arkansas National Forest (Arkansas).</b>	
<i>(Area, 1,073,955 acres.)</i>	
<i>Salary—</i>	
One supervisor.....	\$2,000 12 mo. \$2,000
One deputy supervisor.....	1,500 12 mo. 1,500
One forest assistant.....	1,500 12 mo. 1,500
One clerk.....	1,020 12 mo. 1,020
Six rangers.....	1,200 12 mo. 7,200
Six rangers.....	1,100 12 mo. 6,600
Six rangers.....	1,000 12 mo. 6,000
Twenty-two guards.....	900 6 mo. 9,900
	35,720
<i>General expenses—Station, field, and travel expenses.....</i>	
	4,416
Total.....	40,136
<b>Carson National Forest (New Mexico).</b>	
<i>(Area, 966,000 acres.)</i>	
<i>Salary—</i>	
One supervisor.....	\$1,800 12 mo. \$1,800
One deputy supervisor.....	1,400 12 mo. 1,400
One clerk.....	1,200 12 mo. 1,200
Four rangers.....	1,200 12 mo. 4,800
Three rangers.....	1,100 12 mo. 3,300
Four rangers.....	1,000 12 mo. 4,000
Three guards.....	900 8 mo. 1,800
	18,300
<i>General expenses—Station, field, and travel expenses.....</i>	
	1,456
Total.....	19,756



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

## Chiricahua National Forest (Arizona).

(Area, 466,497 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,400	12 mo.	1,400
One clerk.....	900	12 mo.	900
Two rangers.....	1,200	12 mo.	2,400
Two rangers.....	1,100	12 mo.	2,200
Six guards.....	900	6 mo.	2,700
			\$11,600
General expenses—Station, field, and travel ex-			
penses.....			1,915
Total.....			13,515

## Coconino National Forest (Arizona).

(Area, 3,601,390 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,500	12 mo.	1,500
One forest assistant.....	1,500	12 mo.	1,500
One clerk.....	1,020	12 mo.	1,020
Ten rangers.....	1,200	12 mo.	12,000
Six rangers.....	1,100	12 mo.	6,600
Ten rangers.....	1,000	12 mo.	10,000
Twenty-six guards.....	900	6 mo.	11,700
Ten guards.....	900	10 mo.	7,500
			53,820
General expenses—Station, field, and travel ex-			
penses.....			4,118
Total.....			57,938

## Coronado National Forest (Arizona).

(Area, 966,368 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,400	12 mo.	1,400
Four rangers.....	1,200	12 mo.	4,800
Two rangers.....	1,100	12 mo.	2,200
One ranger.....	1,000	12 mo.	1,000
One guard.....	900	6 mo.	450
			11,650
General expenses—Station, field, and travel ex-			
penses.....			1,472
Total.....			13,122

## Crook National Forest (Arizona).

(Area, 789,340 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One clerk.....	900	12 mo.	900
Two rangers.....	1,200	12 mo.	2,400
Two rangers.....	1,100	12 mo.	2,200
Three rangers.....	1,000	12 mo.	3,000
Eight guards.....	900	6 mo.	3,600
			14,160
General expenses—Station, field, and travel ex-			
penses.....			1,265
Total.....			15,425

## Datil National Forest (New Mexico).

(Area, 1,270,500 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,400	12 mo.	1,400
One clerk.....	1,200	12 mo.	1,200
Three rangers.....	1,200	12 mo.	3,600
Two rangers.....	1,100	12 mo.	2,200
Four rangers.....	1,000	12 mo.	4,000
One guard.....	900	3 mo.	225
			14,425
General expenses—Station, field, and travel ex-			
penses.....			1,441
Total.....			15,866

## Garces National Forest (Arizona).

(Area, 644,395 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,400	12 mo.	1,400
Four rangers.....	1,200	12 mo.	4,800
Two rangers.....	1,100	12 mo.	2,200
Two rangers.....	1,000	12 mo.	2,000
One guard.....	900	6 mo.	450
One guard.....	900	5 mo.	375
			13,025
General expenses—Station, field, and travel ex-			
penses.....			1,475
Total.....			14,500

## Gila National Forest (New Mexico).

(Area, 1,762,621 acres.)

Salary—			
One supervisor.....	\$2,200	12 mo.	\$2,200
One deputy supervisor.....	1,500	12 mo.	1,500
One forest assistant.....	1,500	12 mo.	1,500
One clerk.....	1,020	12 mo.	1,020
Eight rangers.....	1,200	12 mo.	9,600
Four rangers.....	1,100	12 mo.	4,400
Seven rangers.....	1,000	12 mo.	7,000
Fourteen guards.....	900	6 mo.	6,300
			33,520
General expenses—Station, field, and travel ex-			
penses.....			8,270

## Fort Bayard Planting Station—

Salary, 1 expert, \$1,500.....	\$1,500
Two experts, \$900 and \$1,100.....	2,000
Expenses, nursery and planting.....	15,000
	<hr/>
	\$18,500
Total.....	60,290

## Jemez National Forest (New Mexico).

(Area, 978,720 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,600	12 mo.	1,600
One forest assistant.....	1,700	12 mo.	1,700
One clerk.....	1,020	12 mo.	1,020
Seven rangers.....	1,200	12 mo.	8,400
Five rangers.....	1,100	12 mo.	5,500
Three rangers.....	1,000	12 mo.	3,000
Four guards.....	900	8 mo.	2,400
One guard.....	900	4 mo.	300
			25,920
General expenses—Station, field, and travel ex-			
penses.....			2,855
Total.....			28,775

## Lincoln National Forest (New Mexico).

(Area, 596,603 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,400	12 mo.	1,400
Four rangers.....	1,200	12 mo.	4,800
Two rangers.....	1,100	12 mo.	2,200
Two rangers.....	1,000	12 mo.	2,000
One guard.....	900	6 mo.	450
One guard.....	900	5 mo.	375
One guard.....	900	2 mo.	150
			13,175
General expenses—Station, field, and travel ex-			
penses.....			1,525
Total.....			14,700

## Luquillo National Forest (Porto Rico).

(Area, 65,950 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
Eight rangers.....	900	12 mo.	7,200
			9,200
General expenses—Station, field, and travel ex-			
penses.....			920
Total.....			10,120

## Magdalena National Forest (New Mexico).

(Area, 578,445 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,600	12 mo.	1,600
One clerk.....	1,200	12 mo.	1,200
Four rangers.....	1,200	12 mo.	4,800
Two rangers.....	1,100	12 mo.	2,200
Three rangers.....	1,000	12 mo.	3,000
One guard.....	900	2 mo.	150
			14,950
General expenses—Station, field, and travel ex-			
penses.....			1,220
Total.....			16,170

## Manzano National Forest (New Mexico).

(Area, 587,110 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,400	12 mo.	1,400
One forest assistant.....	1,500	12 mo.	1,500
Three rangers.....	1,200	12 mo.	3,600
Two rangers.....	1,100	12 mo.	2,200
One ranger.....	1,000	12 mo.	1,000
Two guards.....	900	8 mo.	1,200
Two guards.....	900	4 mo.	600
			11,800
General expenses—Station, field, and travel ex-			
penses.....			1,580
Total.....			13,380

## Ozark National Forest (Arkansas).

(Area, 917,944 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,500	12 mo.	1,500
Two forest assistants.....	1,500	12 mo.	3,000
One clerk.....	1,020	12 mo.	1,020
Five rangers.....	1,200	12 mo.	6,000
Three rangers.....	1,000	12 mo.	3,000
Five guards.....	900	6 mo.	2,250
			18,570
General expenses—Station, field, and travel ex-			
penses.....			2,100
Total.....			20,670

## Pecos National Forest (New Mexico).

(Area, 430,880 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,500	12 mo.	1,500
Three rangers.....	1,200	12 mo.	3,600
Two rangers.....	1,100	12 mo.	2,200
Two rangers.....	1,000	12 mo.	1,000
One ranger.....	900	6 mo.	450
One guard.....			
			10,550

## General expenses—Station, field, and travel ex-

penses.....	\$3,600
Las Gallinas Planting Station—	
Salary, 2 experts, \$1,200 and \$1,000....	\$2,200
Expenses, nursery and planting.....	10,000
	<hr/> 12,200
Total.....	26,410

## Prescott National Forest (Arizona).

(Area, 1,465,268 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,500	12 mo.	1,500
One clerk.....	1,020	12 mo.	1,020
Five rangers.....	1,200	12 mo.	6,000
Two rangers.....	1,100	12 mo.	2,200
Three rangers.....	1,000	12 mo.	3,000
Eight guards.....	900	6 mo.	3,600
			19,320
General expenses—Station, field, and travel ex-			
penses.....			2,528
Total.....			21,848

## Sitgreaves National Forest (Arizona).

(Area, 851,840 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One clerk.....	900	12 mo.	900
Two rangers.....	1,200	12 mo.	2,400
Four rangers.....	1,000	12 mo.	4,000
Seven guards.....	900	6 mo.	3,150
			12,450
General expenses—Station, field, and travel ex-			
penses.....			5,170
Total.....			17,620

## Tonto National Forest (Arizona).

(Area, 2,039,040 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,500	12 mo.	1,500
One forest assistant.....	1,500	12 mo.	1,500
One clerk.....	1,020	12 mo.	1,020
Four rangers.....	1,200	12 mo.	4,800
Five rangers.....	1,000	12 mo.	5,000
Three rangers.....	1,100	12 mo.	3,300
Nine guards.....	900	12 mo.	4,050
One guard.....	900	5 mo.	375
			23,545
General expenses—Station, field, and travel ex-			
penses.....			7,515
Total.....			31,060

## Wichita National Forest (Oklahoma).

(Area, 60,800 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
Two rangers.....	1,200	12 mo.	2,400
One ranger.....	1,100	12 mo.	1,100
One guard.....	900	4 mo.	300
			5,600
General expenses—Station, field, and travel ex-			
penses.....			441
Total.....			6,041

## CONSTRUCTION AND REPAIR OF PERMANENT IMPROVEMENTS—NATIONAL DISTRICT 3.

## Summary.

## Schedule 58.

Forest.	State.	Expend- itures.	Area.
			<i>Acres.</i>
Alamo.....	New Mexico.....	\$5,284	1,164,906
Apache.....	Arizona.....	6,946	1,301,320
Arkansas.....	Arkansas.....	6,093	1,073,955
Carson.....	New Mexico.....	6,211	966,000
Chiricahua.....	Arizona.....	1,616	466,497
Coconino.....	do.....	18,799	3,601,390
Coronado.....	do.....	5,213	966,368
Crook.....	do.....	1,258	789,340
Datil.....	New Mexico.....	9,974	1,270,500
Garces.....	Arizona.....	3,476	644,395
Gila.....	New Mexico.....	9,509	1,762,621
Jemez.....	do.....	5,280	978,720
Lincoln.....	do.....	3,218	596,603
Luquillo.....	Porto Rico.....	360	65,950
Magdalena.....	New Mexico.....	3,120	578,4



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

## CONSTRUCTION AND MAINTENANCE OF PERMANENT IMPROVEMENTS.

## National Forest District 3.

## Abasco National Forest—

One driven well at ranger's headquarters.....	\$400
One ranger's house.....	175
One ranger's house.....	410
One ranger's house.....	405
Three barns, at \$100.....	300
Six miles pasture fence, at \$125.....	750
Twenty-eight miles telephone line, at \$60.....	1,680
Two miles fire lines, at \$250.....	500
Thirty-one miles trail, at \$30.....	930
One mile drift fence.....	125
Repairs on buildings, roads, and trails.....	279

## Apache National Forest—

One ranger's house.....	450
One ranger's house.....	475
Two barns, at \$75.....	150
Three miles pasture fence, at \$125.....	375
Ten miles drift fence, at \$125.....	1,250
One bridge.....	165
Sixteen miles trail, at \$50.....	800
Twenty-four miles trail, at \$15.....	1,080
Repairs, trails, and roads.....	200
Repairs, cabins, barns, and fences.....	800
Ten miles boundary and cooperative drift fence, at \$80.....	800

## Arkansas National Forest—

One ranger's house.....	470
Two rangers' houses, at \$445.....	890
One ranger's house.....	415
One ranger's house.....	345
One ranger's house.....	375
Six barns, at \$80.....	500
Six miles pasture fence, at \$125.....	750
Thirty-six miles telephone lines, at \$10.....	1,140
One bridge.....	115
Repairing 18 miles road, at \$25.....	140
Repairs on buildings and roads.....	425

## Carson National Forest—

Ten miles drift fence, at \$125.....	2,500
Clearing and repairing 6 watering places for stock, at \$50.....	300
Twenty miles trails, at \$60.....	1,200
Repairing 10 miles road, at \$50.....	1,000
One ranger's house.....	150
One barn.....	75
Two miles pasture fence, at \$125.....	250
Repairs, trails.....	300
Repairs, cabins, barns.....	386

## Carrizosa National Forest—

One ranger's house.....	485
One ranger's house.....	170
One ranger's house.....	135
Three barns, at \$100.....	300
Six miles pasture fence, at \$125.....	750
Eight miles drift fence, at \$125.....	1,000
Clearing and protecting 12 watering places for stock, including 12 drinking troughs, at \$50.....	600
Six miles cooperative drift fence, at \$70.....	120
Repairs on buildings and fences.....	156

## Cochino National Forest—

Thirty miles trail, at \$50.....	1,500
Twenty miles trail, at \$10.....	800
Fifteen miles trail, at \$15.....	675
Twenty miles telephone, at \$70.....	1,400
One ranger's house.....	175
One ranger's house.....	150
Two barns, at \$75.....	150
Three miles pasture fence, at \$125.....	375
Fifteen miles drift fence, at \$125.....	1,875
Eighteen miles road, at \$250.....	1,500
One hundred miles trail, at \$50.....	5,000
Repairs to cabins, barns, etc.....	1,129
Repairing 6 watering places for stock, at \$75.....	450

## Coronado National Forest—

One ranger's house.....	480
One ranger's house.....	165
One ranger's house.....	120
One ranger's house.....	100
Four barns, at \$100.....	400
Seven miles pasture fence, at \$125.....	875
Twelve miles drift fence, at \$125.....	1,500
Ten miles trail, at \$23.50.....	235
Clearing and protecting 8 watering places for stock, at \$50.....	400
Repairs, cabins.....	38

## Crook National Forest—

One mile road.....	200
Sixteen miles trail, at \$40.....	640
One ranger's house.....	500
One ranger's house.....	450
Two barns, at \$100.....	200
Four miles pasture fence, at \$125.....	500
Eight miles drift and boundary fence, at \$125.....	1,000
Fourteen miles telephone lines, at \$10.....	560
Repairs on roads, trails, and cabins.....	208

## Dart National Forest—

Five miles pasture fence, at \$125.....	625
Eleven miles drift fence, at \$125.....	1,375
One ranger's house.....	470
One ranger's house.....	455
One ranger's house.....	435
Three barns, at \$100.....	300
Thirty miles trails, at \$60.....	1,800
Twenty miles trails, at \$50.....	1,000
Five miles road repaired, at \$160.....	800
Thirty-five miles telephone lines, at \$60.....	2,100
Repairs on buildings and fences.....	414
Clearing and protecting 5 watering places for stock, at \$40.....	200

## Garces National Forest—

One ranger's house.....	175
One ranger's house.....	140
Two barns, at \$100.....	200
Four miles pasture fence, at \$125.....	500
Eighteen miles cooperative drift fence, at \$70 per mile.....	1,260
Clearing and protecting 2 watering places for stock, at \$75.....	150
Two counting corrals, at \$70.....	140
Repairs to drift fence and cabins.....	311

## Gila National Forest—

Two rangers' houses, at \$175.....	950
Two barns, at \$75.....	150
Three miles pasture fence, at \$125.....	375
Thirty miles trails, at \$70.....	2,100
Twenty miles trail, at \$60.....	1,200
Five miles trail, at \$50.....	250
Ten miles drift fence, at \$125.....	1,250
Twenty-five miles telephone line, at \$60.....	1,500
Repairs to cabins, barns, fences.....	600
Repairing 15 miles old road, at \$60.....	900
Clearing and repairing watering places for stock.....	184

## Jemez National Forest—

Ten miles boundary or drift fence, at \$125.....	1,250
Thirty miles trails, at \$50.....	1,500
Ten miles trails, at \$60.....	600
Repairs on cabins, barns, trails.....	180
Repairs, 3 miles road, at \$50.....	150
Eight miles fire lines, at \$200.....	1,600

## Lincoln National Forest—

Two weeds at rangers' houses, at \$125.....	250
One ranger's house.....	175
One ranger's house.....	425
Two barns, at \$100.....	200
Four miles pasture fence, at \$125.....	500
Six miles drift fence, at \$125.....	750
Repairing 12 miles road, at \$30.....	360
One bridge.....	75
Repairs on buildings, roads, and trails.....	183

## Luquillo National Forest—

Four temporary camps, at \$80.....	360
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## Magdalena National Forest—

One ranger's house.....	470
One ranger's house.....	405
Two barns, at \$100.....	200
Four miles pasture fence, at \$125.....	500
Nine miles drift fence, at \$125.....	1,125
Clearing and protecting 5 watering places for stock, at \$40.....	200
Repairs on buildings, fences, and roads.....	220

## Manzano National Forest—

One ranger's house.....	165
One ranger's house.....	425
Three barns, at \$100.....	300
Five miles pasture fence, at \$125.....	625
Twenty-two miles trail, at \$25.....	550
Two miles drift fence, at \$125.....	250
Repairs on buildings, roads and trails.....	187

## Ozark National Forest—

Two rangers' houses, at \$175.....	950
One ranger's house.....	145
One ranger's house.....	115
Two rangers' houses, at \$300.....	780
One ranger's house.....	370
Eight barns, at \$90.....	720
Seven miles pasture fence, at \$125.....	875
Repairs on buildings and roads.....	87

## Pecos National Forest—

Sixteen miles trail, at \$40.....	640
One ranger's house.....	490
One ranger's house.....	455
Two barns, at \$115.....	230
Three miles pasture fence, at \$125.....	375
Repairs on buildings, roads, and trails.....	184

## Prescott National Forest—

One ranger's house.....	490
One ranger's house.....	455
One ranger's house.....	430
One ranger's house.....	395
Two barns, at \$125.....	250

## Prescott National Forest—Continued.

Two barns, at \$110.....	\$220
Eight miles pasture fence, at \$125.....	1,000
Twelve miles drift fence, at \$125.....	1,500
Clearing and protecting 6 watering places for stock, at \$70.....	420
Two miles fire fence, at \$250.....	500
Twenty-three miles trails, at \$40.....	920
Fourteen miles telephone line, at \$60.....	840
One bridge.....	150
Repairs on roads, trails, etc.....	335

## Sitgreaves National Forest—

Thirty miles trail, at \$50.....	1,500
Twenty miles trail, at \$40.....	800
Repairs, trails and roads.....	350
Repairs, cabins, barns, and fences.....	270
One ranger's house.....	475
One ranger's house.....	450
Two barns, at \$75.....	150
Three miles pasture fence, at \$125.....	375
One well at ranger's house.....	200

## Tonah National Forest—

Ten miles pasture fence, at \$125.....	1,250
Twenty-two miles drift fence, at \$140.....	3,080
One ranger's house.....	480
One ranger's house.....	450
Two rangers' houses, at \$420.....	840
Four barns, at \$125.....	500
Clearing and protecting 22 watering places for stock, at \$60.....	1,320
Thirty miles trail, at \$35.....	1,050
Fourteen miles telephone line, at \$60.....	840
Repairs, roads, trails, and cabins.....	190

## Wichita National Forest—

One mile pasture fence.....	125
One barn.....	100
Feed house for buffaloes.....	40
Repairing buffalo fence and painting stable and buffalo yards.....	63

Total..... 125,668

## NATIONAL FOREST DISTRICT 4, HEADQUARTERS, SALT LAKE CITY, UTAH.

## Summary.

## Schedule 59.

Administration.....	\$7,680
Operation.....	33,120
Silviculture.....	24,080
Grazing.....	11,080
Products.....	5,100
Lands.....	21,180
Contingent (for fighting forest fires and for other unforeseen emergencies).....	25,000

Use, maintenance, and protection, National Forests..... \$127,240

Permanent improvements upon National Forests..... 542,018

Total..... 176,392

Total..... 845,650

## Administration.

## Schedule 60.

District forester in charge.....	2,400
Travel and field expenses.....	1,000
Assistant district forester.....	2,200
Travel and field expenses.....	1,000
One stenographer.....	1,080
Total.....	7,680

## Operation.

## Schedule 61.

Supervision—	
Assistant in charge.....	\$2,000
Travel and field expenses.....	1,000
One assistant.....	1,800
Travel and field expenses.....	1,000
One stenographer.....	1,020
One stenographer.....	900
Engineering—	
Engineer in charge.....	1,800
Travel and field expenses.....	800
One engineer.....	1,500
Travel and field expenses.....	600
One engineer.....	1,200
Travel and field expenses.....	600
One stenographer.....	900
Accounts—	
Fiscal agent.....	1,900
One bookkeeper.....	1,500

## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

<i>Accounts—Continued.</i>		
One auditor.....	\$1,200	
One stenographer.....	1,020	
Two clerks, at \$900.....	1,800	
<b>Maintenance—</b>		\$7,420
Clerk in charge.....	1,380	
One stenographer.....	1,020	
One stenographer.....	900	
One clerk.....	900	
Two messengers, at \$600.....	1,200	
Rent, light, heat, and janitors service.....	5,000	
<b>Total.....</b>		<b>10,580</b>
<b>Total.....</b>		<b>33,120</b>

*Silviculture.*

## Schedule 62.

<b>Supervision—</b>		
Assistant in charge.....	1,700	
Travel and field expenses.....	900	
One assistant.....	1,200	
Travel and field expenses.....	900	
One stenographer.....	1,020	
<b>Timber Sales—</b>		5,720
Assistant in charge.....	1,200	
Travel and field expenses.....	600	
Two assistants, at \$1,200.....	2,400	
Travel and field expenses, at \$600.....	1,200	
One lumberman.....	1,800	
Travel and field expenses.....	800	
One scaler.....	1,400	
Travel and field expenses.....	700	
One stenographer.....	950	
One file clerk.....	900	
<b>Forest Planting—</b>		11,960
Assistant in charge.....	1,800	
Travel and field expenses.....	800	
One stenographer.....	900	
<b>Silvics—</b>		3,500
Assistant in charge.....	1,200	
Travel and field expenses.....	800	
One stenographer.....	900	
<b>Total.....</b>		<b>24,080</b>

*Grazing.*

## Schedule 63.

Assistant in charge.....	1,900	
Travel and field expenses.....	900	
One assistant.....	1,800	
Travel and field expenses.....	900	
One assistant.....	1,500	
Travel and field expenses.....	900	
One stenographer.....	1,200	
One clerk.....	1,020	
One clerk.....	950	
<b>Total.....</b>		<b>11,080</b>

*Products.*

## Schedule 64.

Expert in charge.....	1,600	
Travel and field expenses.....	800	
One assistant.....	1,000	
Travel and field expenses.....	800	
One stenographer.....	900	
<b>Total.....</b>		<b>5,100</b>

*Lands.*

## Schedule 65.

<b>Supervision—</b>		
Assistant in charge.....	1,600	
Travel and field expenses.....	600	
One stenographer.....	1,020	
<b>Occupancy—</b>		3,220
Assistant in charge.....	1,600	
Travel and field expenses.....	500	
Four examiners, at \$1,500.....	6,000	
Travel and field expenses, at \$800.....	3,200	
One land law clerk.....	1,200	
One stenographer.....	950	
One clerk.....	900	
<b>Maps—</b>		14,360
One draftsman.....	1,500	
One draftsman.....	1,200	
One file clerk.....	900	
<b>Total.....</b>		<b>3,600</b>
<b>Total.....</b>		<b>21,180</b>

## USE, MAINTENANCE, AND PROTECTION OF THE NATIONAL FORESTS—NATIONAL FOREST DISTRICT I.

## Summary.

## Schedule 66.

Forests.	Salary.	General expenses.	Planting stations.	Total.	Area.
Ashley.....	\$12,300	\$1,468		\$13,768	Acres.
Boise.....	24,600	2,713		27,313	894,560
Bonneville.....	21,700	1,680		23,380	1,121,440
Cache.....	16,300	1,580		17,880	1,705,460
Caribou.....	10,050	1,842		11,892	536,960
Challis.....	11,720	3,476		15,196	740,740
Dixie.....	8,250	728		8,978	1,171,670
Filmore.....	14,550	1,450		16,000	1,091,120
Fish Lake.....	10,775	1,075		11,850	537,233
Humboldt.....	10,700	3,009		13,709	558,679
Idaho.....	13,020	1,232		14,252	1,318,016
Kaibab.....	12,400	1,830		14,230	965,760
Lemhi.....	21,020	3,702		24,722	1,001,840
Manti.....	18,500	1,778		20,278	785,080
Minidoka.....	11,825	2,145		13,970	736,407
Moapa.....	3,450	1,423		4,873	345,005
Nebo.....	7,300	651		7,951	353,600
Payette.....	12,620	1,253		13,873	862,720
Pocatello.....	10,300	1,090	\$9,400	20,790	304,308
Powell.....	11,200	1,120		12,320	726,159
Salmou.....	18,700	1,320		20,020	1,696,832
Sawtooth.....	21,220	1,911		23,131	1,318,080
Sevier.....	16,100	1,518		17,618	710,920
Targhee.....	23,600	1,272		24,872	1,261,120
Teton.....	22,220	1,844		24,064	1,238,900
Tolyabe.....	20,120	3,435		23,555	1,565,680
Uinta.....	19,720	2,504	9,600	31,824	1,155,040
Wasatch.....	10,300	4,166	15,100	29,566	249,840
Weiser.....	20,480	3,053		23,533	756,000
Wyoaring.....	16,000	1,080		17,080	1,200,400
<b>Total.....</b>	<b>451,040</b>	<b>56,878</b>	<b>34,100</b>	<b>542,018</b>	<b>28,193,268</b>

*Ashley National Forest (Utah).*

(Area, 894,560 acres.)

<b>Salary—</b>		
One supervisor.....	\$1,600 12 mo.	\$1,600
One clerk.....	900 12 mo.	900
Four rangers.....	1,200 12 mo.	4,800
Five rangers.....	1,000 12 mo.	5,000
<b>General expenses—Station, field, and travel expenses.....</b>		<b>\$12,300</b>
<b>Total.....</b>		<b>13,768</b>

*Boise National Forest (Idaho).*

(Area, 1,121,440 acres.)

<b>Salary—</b>		
One supervisor.....	\$2,000 12 mo.	\$2,000
One forest assistant.....	1,500 12 mo.	1,500
Eight rangers.....	1,200 12 mo.	9,600
Six rangers.....	1,000 12 mo.	6,000
Five rangers.....	1,100 12 mo.	5,500
<b>General expenses—Station, field, and travel expenses.....</b>		<b>24,600</b>
<b>Total.....</b>		<b>27,313</b>

*Bonneville National Forest (Wyoming).*

(Area, 1,705,460 acres.)

<b>Salary—</b>		
One supervisor.....	\$1,700 12 mo.	\$1,700
One forest assistant.....	1,400 12 mo.	1,400
Eight rangers.....	1,200 12 mo.	9,600
Nine rangers.....	1,000 12 mo.	9,000
<b>General expenses—Station, field, and travel expenses.....</b>		<b>21,700</b>
<b>Total.....</b>		<b>1,680</b>
<b>Total.....</b>		<b>23,380</b>

*Cache National Forest (Utah).*

(Area, 536,960 acres.)

<b>Salary—</b>		
One supervisor.....	\$1,800 12 mo.	\$1,800
One deputy supervisor.....	1,400 12 mo.	1,400
Six rangers.....	1,200 12 mo.	7,200
Five rangers.....	1,000 12 mo.	5,000
One guard.....	900 12 mo.	900
<b>General expenses—Station, field, and travel expenses.....</b>		<b>16,300</b>
<b>Total.....</b>		<b>1,580</b>
<b>Total.....</b>		<b>17,880</b>

*Caribou National Forest (Idaho).*

(Area, 740,740 acres.)

<b>Salary—</b>		
One supervisor.....	\$1,400 12 mo.	\$1,400
One deputy supervisor.....	1,200 12 mo.	1,200
Five rangers.....	1,200 12 mo.	6,000

*Salary—Continued.*

One ranger.....	\$1,000 12 mo.	\$1,000
One guard.....	900 6 mo.	450
<b>General expenses—Station, field, and travel expenses.....</b>		<b>\$10,650</b>
<b>Total.....</b>		<b>1,342</b>
<b>Total.....</b>		<b>11,392</b>

*Challis National Forest (Idaho).*

(Area, 1,171,670 acres.)

<b>Salary—</b>		
One supervisor.....	\$1,500 12 mo.	\$1,500
One deputy supervisor.....	1,200 12 mo.	1,200
One clerk.....	1,020 12 mo.	1,020
Five rangers.....	1,200 12 mo.	6,000
Two rangers.....	1,000 12 mo.	2,000
<b>General expenses—Station, field, and travel expenses.....</b>		<b>11,720</b>
<b>Total.....</b>		<b>3,476</b>
<b>Total.....</b>		<b>15,196</b>

*Dixie National Forest (Utah).*

(Area, 1,091,120 acres.)

<b>Salary—</b>		
One supervisor.....	\$1,500 12 mo.	\$1,500
One clerk.....	900 12 mo.	900
Two rangers.....	1,200 12 mo.	2,400
Three rangers.....	1,000 12 mo.	3,000
One guard.....	900 6 mo.	450
<b>General expenses—Station, field, and travel expenses.....</b>		<b>8,250</b>
<b>Total.....</b>		<b>728</b>
<b>Total.....</b>		<b>8,978</b>

*Filmore National Forest (Utah).*

(Area, 582,620 acres.)

<b>Salary—</b>		
One supervisor.....	\$1,600 12 mo.	\$1,600
One clerk.....	900 12 mo.	900
Four rangers.....	1,200 12 mo.	4,800
Five rangers.....	1,000 12 mo.	5,000
Five guards.....	900 6 mo.	2,250
<b>General expenses—Station, field, and travel expenses.....</b>		<b>14,550</b>
<b>Total.....</b>		<b>1,450</b>
<b>Total.....</b>		<b>16,000</b>

*Fish Lake National Forest (Utah).*

(Area, 537,233 acres.)

<b>Salary—</b>		
One supervisor.....	\$1,600 12 mo.	\$1,600
One deputy supervisor.....	1,500 12 mo.	1,500
One clerk.....	900 12 mo.	900
Two rangers.....	1,200 12 mo.	2,400
Four rangers.....	1,000 12 mo.	4,000
One guard.....	900 5 mo.	375
<b>General expenses—Station, field, and travel expenses.....</b>		<b>10,775</b>
<b>Total.....</b>		<b>1,075</b>
<b>Total.....</b>		<b>11,850</b>

*Humboldt National Forest (Nevada).*

(Area, 458,679 acres.)

<b>Salary—</b>		
One supervisor.....	\$1,600 12 mo.	\$1,600
One deputy supervisor.....	1,500 12 mo.	1,500
One clerk.....	900 12 mo.	900
Two rangers.....	1,200 12 mo.	2,400
Four rangers.....	1,000 12 mo.	4,000
One guard.....	900 4 mo.	300
<b>General expenses—Station, field, and travel expenses.....</b>		<b>10,700</b>
<b>Total.....</b>		<b>3,009</b>
<b>Total.....</b>		<b>13,709</b>

*Idaho National Forest (Idaho).*

(Area, 1,318,016 acres.)

<b>Salary—</b>		
One supervisor.....	\$1,800 12 mo.	\$1,800
One deputy supervisor.....	1,400 12 mo.	1,400
One clerk.....	720 12 mo.	720
Six rangers.....	1,200 12 mo.	7,200
One ranger.....	1,600 12 mo.	1,600
One guard.....	900 12 mo.	900
<b>General expenses—Station, field, and travel expenses.....</b>		<b>13,020</b>
<b>Total.....</b>		<b>1,232</b>
<b>Total.....</b>		<b>11,252</b>

*Kaibab National Forest (Arizona).*

(Area, 965,760 acres.)

<b>Salary—</b>		
One supervisor.....	\$1,800 12 mo.	\$1,800
One deputy supervisor.....	1,500 12 mo.	1,500
One clerk.....	900 12 mo.	900
Two rangers.....	1,200 12 mo.	2,400
Four rangers.....	1,000 12 mo.	4,000
Four guards.....	900 6 mo.	1,800
<b>General expenses—Station, field, and travel expenses.....</b>		<b>12,100</b>
<b>Total.....</b>		<b>1,830</b>
<b>Total.....</b>		<b>14,230</b>



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

Lemhi National Forest (Idaho).			
(Area, 1,001,840 acres.)			
Salary—			
One supervisor.....	\$2,000 12 mo.	\$2,000	
One deputy supervisor.....	1,600 12 mo.	1,600	
One clerk.....	1,020 12 mo.	1,020	
Five rangers.....	1,200 12 mo.	6,000	
Nine rangers.....	1,000 12 mo.	9,000	
One forest assistant.....	1,400 12 mo.	1,400	
		\$21,020	
General expenses—Station, field, and travel ex-			
penses.....		3,702	
Total.....			24,722

Manti National Forest (Utah).			
(Area, 786,080 acres.)			
Salary—			
One supervisor.....	\$2,000 12 mo.	\$2,000	
One deputy supervisor.....	1,600 12 mo.	1,600	
One forest assistant.....	1,500 12 mo.	1,500	
One clerk.....	900 12 mo.	900	
Four rangers.....	1,200 12 mo.	4,800	
Five rangers.....	1,000 12 mo.	5,000	
Six guards.....	900 6 mo.	2,700	
		18,500	
General expenses—Station, field, and travel ex-			
penses.....		1,778	
Total.....			20,278

Minnidoka National Forest (Idaho).			
(Area, 736,107 acres.)			
Salary—			
One supervisor.....	\$1,600 12 mo.	\$1,600	
One deputy supervisor.....	1,500 12 mo.	1,500	
One clerk.....	900 12 mo.	900	
Three rangers.....	1,200 12 mo.	3,600	
Four rangers.....	1,000 12 mo.	4,000	
One guard.....	900 3 mo.	225	
		11,825	
General expenses—Station, field, and travel ex-			
penses.....		2,145	
Total.....			13,970

Moapa National Forest (Nevada).			
(Area, 315,065 acres.)			
Salary—			
One supervisor.....	\$1,100 12 mo.	\$1,400	
One ranger.....	1,000 12 mo.	1,000	
One guard.....	900 8 mo.	600	
One guard.....	900 6 mo.	450	
		3,450	
General expenses—Station, field, and travel ex-			
penses.....		1,423	
Total.....			4,873

Nebo National Forest (Utah).			
(Area, 353,600 acres.)			
Salary—			
One supervisor.....	\$1,300 12 mo.	\$1,300	
Five rangers.....	1,200 12 mo.	6,000	
		7,300	
General expenses—Station, field, and travel ex-			
penses.....		651	
Total.....			7,951

Payette National Forest (Idaho).			
(Area, 862,730 acres.)			
Salary—			
One supervisor.....	\$1,600 12 mo.	\$1,600	
One forest assistant.....	1,200 12 mo.	1,200	
One clerk.....	1,020 12 mo.	1,020	
Four rangers.....	1,200 12 mo.	4,800	
Four rangers.....	1,000 12 mo.	4,000	
		12,620	
General expenses—Station, field, and travel ex-			
penses.....		1,253	
Total.....			13,873

Pocatello National Forest (Idaho).			
(Area, 304,508 acres.)			
Salary—			
One supervisor.....	\$1,100 12 mo.	\$1,400	
Five rangers.....	1,200 12 mo.	6,000	
Two rangers.....	1,000 12 mo.	2,000	
Two guards.....	900 6 mo.	900	
		10,300	
General expenses—Station, field, and travel ex-			
penses.....		1,090	
Pocatello Planting Station—			
Salary, 2 experts, \$900 and \$1,000.....		1,900	
Expenses, nursery and planting.....		7,500	
		9,400	
Total.....			20,790

Powell National Forest (Utah).			
(Area, 726,159 acres.)			
Salary—			
One supervisor.....	\$1,500 12 mo.	\$1,500	
One clerk.....	900 12 mo.	900	

Salary—Continued.			
Three rangers.....	\$1,200 12 mo.	\$3,600	
Four rangers.....	1,000 12 mo.	4,000	
Two guards.....	900 6 mo.	900	
One guard.....	900 4 mo.	300	
		\$11,200	
General expenses—Station, field, and travel ex-			
penses.....		1,120	
Total.....			12,320

Salmon National Forest (Idaho).			
(Area, 1,696,832 acres.)			
Salary—			
One supervisor.....	\$1,800 12 mo.	\$1,800	
One deputy supervisor.....	1,400 12 mo.	1,400	
Seven rangers.....	1,200 12 mo.	8,400	
Six rangers.....	1,000 12 mo.	6,000	
One ranger.....	1,100 12 mo.	1,100	
		18,000	
General expenses—Station, field, and travel ex-			
penses.....		1,320	
Total.....			20,020

Sawtooth National Forest (Idaho).			
(Area, 1,318,080 acres.)			
Salary—			
One supervisor.....	\$1,800 12 mo.	\$1,800	
One forest assistant.....	1,500 12 mo.	1,500	
One clerk.....	1,020 12 mo.	1,020	
Ten rangers.....	1,000 12 mo.	10,000	
Five rangers.....	1,200 12 mo.	6,000	
Two guards.....	900 6 mo.	900	
		21,220	
General expenses—Station, field, and travel ex-			
penses.....		1,911	
Total.....			23,131

Sevier National Forest (Utah).			
(Area, 710,920 acres.)			
Salary—			
One supervisor.....	\$2,000 12 mo.	\$2,000	
One deputy supervisor.....	1,600 12 mo.	1,600	
One forest assistant.....	1,500 12 mo.	1,500	
One clerk.....	900 12 mo.	900	
Two rangers.....	1,200 12 mo.	2,400	
Five rangers.....	1,000 12 mo.	5,000	
Six guards.....	900 6 mo.	2,700	
		16,100	
General expenses—Station, field, and travel ex-			
penses.....		1,518	
Total.....			17,618

Targhee National Forest (Idaho and Wyoming).			
(Area, 1,261,120 acres.)			
Salary—			
One supervisor.....	\$2,000 12 mo.	\$2,000	
One deputy supervisor.....	1,600 12 mo.	1,600	
Ten rangers.....	1,200 12 mo.	12,000	
Eight rangers.....	1,000 12 mo.	8,000	
		23,600	
General expenses—Station, field, and travel ex-			
penses.....		1,272	
Total.....			24,872

Teton National Forest (Wyoming).			
(Area, 1,938,900 acres.)			
Salary—			
One supervisor.....	\$1,600 12 mo.	\$1,600	
One deputy supervisor.....	1,400 12 mo.	1,400	
One clerk.....	1,020 12 mo.	1,020	
Eleven rangers.....	1,200 12 mo.	13,200	
Five rangers.....	1,000 12 mo.	5,000	
		21,220	
General expenses—Station, field, and travel ex-			
penses.....		1,841	
Total.....			24,061

Toiyabe National Forest (Nevada).			
(Area, 1,565,680 acres.)			
Salary—			
One supervisor.....	\$2,000 12 mo.	\$2,000	
One deputy supervisor.....	1,500 12 mo.	1,500	
Two forest assistants.....	1,500 12 mo.	3,000	
One clerk.....	1,020 12 mo.	1,020	
Five rangers.....	1,200 12 mo.	6,000	
Three rangers.....	1,000 12 mo.	3,000	
Eight guards.....	900 6 mo.	3,700	
		20,120	
General expenses—Station, field, and travel ex-			
penses.....		3,435	
Total.....			23,555

Uinta National Forest (Utah).			
(Area, 1,155,040 acres.)			
Salary—			
One supervisor.....	\$2,000 12 mo.	\$2,000	
One deputy supervisor.....	1,600 12 mo.	1,600	
One clerk.....	1,020 12 mo.	1,020	
Six rangers.....	1,200 12 mo.	7,200	

Salary—Continued.			
Seven rangers.....	\$1,000 12 mo.	\$7,000	
Two guards.....	900 6 mo.	900	
		\$19,720	
General expenses—Station, field, and travel ex-			
penses.....		2,504	
Unita Transplanting Station—			
Salaries, 2 experts \$900 and 1,000.....		\$1,900	
Expenses, nursery and planting.....		7,700	
		9,600	
Total.....			31,824

Wasatch National Forest (Utah).			
(Area, 249,840 acres.)			
Salary—			
One supervisor.....	\$1,500 12 mo.	\$1,500	
One clerk.....	900 12 mo.	900	
Three rangers.....	1,200 12 mo.	3,600	
Four rangers.....	1,000 12 mo.	4,000	
One guard.....	900 4 mo.	300	
		10,300	
General expenses—Station, field, and travel ex-			
penses.....		4,166	
Salt Lake Planting Station—			
Salary, 1 expert in charge \$1,200.....		\$1,200	
Salary, 2 experts, \$900 and \$1,000.....		1,900	
Expenses, nursery and planting.....		12,000	
		15,100	
Total.....			29,566

Weiser National Forest (Idaho).			
(Area, 756,000 acres.)			
Salary—			
One supervisor.....	\$1,800 12 mo.	\$1,800	
One forest assistant.....	1,500 12 mo.	1,500	
One clerk.....	720 12 mo.	720	
Four rangers.....	1,200 12 mo.	4,800	
Two deputy rangers.....	1,100 12 mo.	2,200	
Six deputy rangers.....	1,000 12 mo.	6,000	
One forest assistant.....	1,400 2 mo.	310	
One guard.....	900 12 mo.	900	
Five guards.....	900 6 mo.	2,250	
		20,480	
General expenses—Station, field, and travel ex-			
penses.....		3,053	
Total.....			23,533

Wyoming National Forest (Wyoming).			
(Area, 1,200,400 acres.)			
Salary—			
One supervisor.....	\$2,000 12 mo.	\$2,000	
Ten rangers.....	1,200 12 mo.	12,000	
Two rangers.....	1,000 12 mo.	2,000	
		16,000	
General expenses—Station, field, and travel ex-			
penses.....		1,050	
Total.....			17,050

## CONSTRUCTION AND REPAIR OF PERMANENT IMPROVEMENTS.

## National Forest District 4—Summary.

## Schedule 67.

Forest.	State.	Ex- pendi- tures.	Area.
			Acres.
Ashley.....	Utah.....	\$6,355	894,560
Boise.....	Idaho.....	10,050	1,121,440
Bonneville.....	Wyoming.....	14,200	1,705,460
Cache.....	Utah.....	2,896	536,960
Caribou.....	Idaho.....	3,996	740,740
Challis.....	Idaho.....	6,321	1,171,670
Dixie.....	Utah.....	5,885	1,091,120
Fillmore.....	Idaho.....	3,120	582,699
Fishlake.....	Idaho.....	4,795	537,233
Humboldt.....	Nevada.....	3,114	558,679
Idaho.....	Idaho.....	10,110	1,318,016
Kaibab.....	Arizona.....	3,810	965,760
Lemhi.....	Idaho.....	5,404	1,001,840
Manti.....	Utah.....	5,580	786,080
Mindidoka.....	Idaho.....	3,972	736,407
Moapa.....	Nevada.....	1,850	345,005
Nebo.....	Utah.....	2,507	353,600
Payette.....	Idaho.....	1,651	862,720
Pocatello.....	Idaho.....	1,641	304,308
Powell.....	Utah.....	5,395	726,159
Salmon.....	Idaho.....	9,155	1,696,832
Sawtooth.....	Idaho.....	7,211	1,318,080
Sevier.....	Utah.....	3,735	710,920
Targhee.....	Idaho.....	9,553	1,261,120
Teton.....	Wyoming.....	10,360	1,938,900
Toiyabe.....	Nevada.....	8,446	1,565,680
Uinta.....	Utah.....	10,466	1,155,040
Wasatch.....	Idaho.....	1,247	249,840
Weiser.....	Idaho.....	4,078	756,000
Wyoming.....	Wyoming.....	6,176	1,200,400
Total.....		176,392	28,193,268



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

## CONSTRUCTION AND MAINTENANCE OF PERMANENT IMPROVEMENTS.

## National Forest District 4.

## Ashley National Forest—

Three rangers' houses, at \$475	\$1,425
Three barns, at \$100	300
Six miles pasture fence, at \$125	750
Forty-two miles trails, at \$40	1,680
Seventeen miles trails, at \$50	850
Repairs, cabins, barns, fences	800
Repairs, roads and trails	350
One bridge	200

## Boise National Forest—

Three bridges, at \$75	225
Three bridges, at \$150	450
Ten miles road (cooperation)	1,600
Two rangers' houses, at \$485	970
One ranger's house	460
One ranger's house	415
One ranger's house	415
Five barns, at \$120	600
Five miles pasture fence, at \$125	625
Repairs, buildings, roads, trails	250
Fifty-two miles trails, at \$50	2,600
Fourteen miles trails, at \$100	1,400

## Bonneville National Forest—

Repairing 27 miles road, at \$40	1,080
Fifty miles trail, at \$50	2,500
Twenty miles road, at \$250	5,000
One bridge	375
Two bridges, at \$210	420
One ranger's house	485
Two rangers' houses, at \$450	900
One ranger's house	450
One ranger's house	425
Four barns, at \$120	480
One barn	90
Three miles pasture fence, at \$135	405
Two miles pasture fence, at \$120	240
Sixteen miles telephone line, at \$55	880
Repairs on buildings, trails, roads	470

## Cache National Forest—

One ranger's house	490
One ranger's house	450
Two barns, at \$125	250
Two miles pasture fence, at \$125	250
One mile drift fence	125
Fourteen miles trails, at \$55	770
Repairing 3 miles road, at \$100	300
Repairs on buildings, roads, trails	251

## Caribou National Forest—

Seven miles wagon road (cooperation)	700
One ranger's house	480
One ranger's house	445
One ranger's house	420
Three barns, at \$115	345
Three miles pasture fence, at \$125	375
One bridge	186
Sixteen miles trail, at \$40	640
Repairs on buildings, roads, trails	405

## Challis National Forest—

One ranger's house	500
One ranger's house	471
Two rangers' houses, at \$430	860
Four barns, at \$110	440
Four miles pasture fence, at \$125	500
One bridge	210
One bridge	140
Two bridges, at \$75	150
Thirty miles telephone line, at \$50	1,500
Ten miles trail, at \$70	700
Seventeen miles trail, at \$50	850

## Dixie National Forest—

Twenty-eight miles telephone line, at \$50	1,400
Twenty-three miles trails, at \$60	1,380
One ranger's house	480
One ranger's house	475
One ranger's house	475
One ranger's house	225
Three barns, at \$75	750
Six miles pasture fence, at \$125	750
Repairs on roads, trails, cabins, barns, and fences	700

## Fillmore National Forest—

Ten miles trail, at \$50	500
Repairs to trails and cabins	400
Two rangers' houses, at \$470	940
Two barns, at \$90	180
Four miles pasture fence, at \$125	500
Ten miles telephone line, at \$60	600

## Fishlake National Forest—

Repairs on roads and trails	425
Repairs on cabins, barns, and fences	350
One ranger's house	495
One ranger's house	100
One barn	250
Two miles pasture fence, at \$125	1,275
Seventeen miles trails, at \$75	1,900
Thirty-eight miles trails, at \$50	1,900

## Humboldt National Forest—

One ranger's house	475
One ranger's house	475
One ranger's house	475
Three barns, at \$100	300

## Humboldt National Forest—Continued.

Six miles pasture fence, at \$125	\$750
Eight miles repairing roads and trails, at \$45	360
Repairs to cabins	279

## Idaho National Forest—

Two rangers' houses, at \$475	950
Two barns, at \$75	150
Two miles pasture fence, at \$125	250
Repair roads and trails	460
Repair cabins and barns	300
Thirty miles trails, at \$60	1,800
Eighty miles trails, at \$50	4,000
Twenty miles telephone lines, at \$60	1,200
Five miles fire lines, at \$200	1,000

## Kaibab National Forest—

Forty miles trail, at \$40	1,600
Two rangers' houses, at \$500	1,000
Two barns, at \$100	200
Four miles pasture fence, at \$125	500
Repairs roads, trails, cabins	510

## Lemhi National Forest—

Two rangers' houses, at \$490	980
Two rangers' houses, at \$410	820
Four barns, at \$110	440
Six miles pasture fence, at \$130	780
Twenty miles trail, at \$60	1,200
Eighteen miles telephone line, at \$50	900
Repairs on buildings and roads	284

## Manti National Forest—

Two rangers' houses, at \$500	1,000
Two barns, at \$75	150
Four miles pasture fence, at \$125	500
Fifteen miles trails, at \$50	750
Thirty-six miles trails, at \$40	1,440
Repairs to cabins, barns, fences	400
Repairs on roads	370
Ten miles drift fences, at \$55	550
Clearing and protecting 6 watering places for stock	420

## Minidoka National Forest—

One ranger's house	485
One barn	75
One ranger's house	485
One barn	75
Four miles fence, at \$125	500
Eight miles trails, at \$50	400
Repairs for barns	50
Twenty-five miles telephone, at \$60	1,500
Repairs roads and trails	402

## Moapa National Forest—

Five miles trails, at \$50	250
Two rangers' houses, at \$150	900
Two barns, at \$75	150
Four miles pasture fence, at \$125	500
Repairs roads and trails	60

## Nebo National Forest—

One ranger's house	425
One ranger's house	425
One barn	75
One barn	75
Four miles pasture fence, at \$125	500
Six miles trails, at \$50	300
Fifteen miles trails, at \$40	600
Repairs to roads and trails	107

## Payette National Forest—

One bridge	150
Repairing 16 miles roads, at \$40	640
One ranger's house	495
One ranger's house	470
One ranger's house	455
One ranger's house	435
One ranger's house	500
Four barns, at \$125	500
Four miles pasture fence, at \$125	500
Fourteen miles trail, at \$50	700
Repairs on buildings, roads, trails	209

## Poacello National Forest—

Repairs roads and trails	276
Repairs cabins, barns, fences	225
Fifteen miles telephone line, at \$16	690
Ten miles trails, at \$45	450

## Powell National Forest—

Two rangers' houses, at \$500	1,000
Two barns, at \$85	170
Four miles pasture fence, at \$125	500
Ten miles drift fence, at \$55	550
Thirty miles trails, at \$50	1,500
Eighteen miles trails, at \$75	1,350
Repairs on roads and cabins	325

## Salmon National Forest—

Thirty-seven miles trails, at \$30	1,850
Fourteen miles trails, at \$75	1,050
Four miles wagon road, at \$300	1,200
Four miles pasture fence, at \$500	1,000
Two rangers' houses, at \$440	420
One ranger's house	880
Two rangers' houses, at \$140	500
Four barns, at \$125	110
One barn	750
Six miles pasture fence, at \$125	125
Six miles drift fence, at \$125	1,020
One mile drift fence, at \$60	1,020
Seventeen miles telephone line, at \$60	250
Repairs on buildings, roads, trails	250

## Sawtooth National Forest—

Thirty-two miles trail, at \$50	\$1,600
One ranger's house	500
One ranger's house	460
Two rangers' houses, at \$125	850
One ranger's house	390
Four barns, at \$120	480
One barn	100
Five miles pasture fence, at \$125	625
Thirty-four miles telephone line, at \$35	1,870
Repairs on buildings, roads, trails	336

## Sevier National Forest—

Repairs on roads and trails	185
Ten miles trails, at \$50	500
Two rangers' houses, at \$475	950
Two barns, at \$100	200
Four miles pasture fence, at \$125	500
Twenty miles telephone lines, at \$70	1,400

## Targhee National Forest—

One bridge	150
One ranger's house	450
One ranger's house	470
Two barns, at \$75	150
Three miles pasture fence, at \$125	375
Repairs to cabins, barns	408
Repairs to roads and trails	200
Eighty miles trails, at \$50	4,000
Fifteen miles trails, at \$60	900
Twenty miles telephone lines, at \$60	1,200
Ten miles drift fences, at \$125	1,250

## Teton Forest Reserve—

Ten miles drift fences, at \$125	1,250
Twenty miles telephone lines, at \$60	1,200
Thirty miles trails, at \$60	1,800
Twenty-two miles trails, at \$70	1,540
One ranger's house	450
One ranger's house	470
One ranger's house	175
One ranger's house	150
Four barns, at \$75	300
Seven miles pasture fences, at \$125	875
Repairs to cabins, barns, fences	700
Three bridges, at \$150	450
Two bridges, at \$200	400

## Toiyabe National Forest—

Thirty miles telephone lines, at \$75	2,250
Four rangers' houses, at \$500	2,000
Four barns, at \$125	500
Eight miles pasture fence, at \$150	1,200
Repair irrigating ditches for ranger sites	201
Repairs to cabins and roads	695
One bridge	300
Twenty miles trails, at \$65	1,300

## Uinta National Forest—

Ten miles trails, at \$50	500
Three rangers' houses, at \$500	1,500
Three barns, at \$100	300
Six miles pasture fence, at \$125	750
Repairs, roads and trails	430
Repairs and additions to cabins	456
Ten miles boundary fence, at \$125	1,250
Four miles fire lines, at \$200	800
Forty miles trails, at \$55	2,200
Fifty-two miles trails, at \$40	2,080

## Wasatch National Forest—

One ranger's house	475
One barn	75
Two miles pasture fence, at \$125	250
Repairs, roads, and trails	200
Repairs, cabins, barns, fences	247

## Wasatch National Forest—

Ten miles road (cooperation work)	1,000
One ranger's house	500
One ranger's house	480
One ranger's house	465
Three barns, at \$115	345
Three miles pasture fence, at \$125	375
Two bridges, at \$75	150
One bridge	200
Eight miles trail, at \$40	320
Repairs on buildings, roads, trails	243

## Wyoming National Forest—

One ranger's house, at \$170	470
One ranger's house	450
Two barns, at \$75	150
Three miles pasture fence, at \$125	375
Twenty miles trails, at \$75	1,500
Twenty miles trail, at \$50	1,000
Repairs, ten miles road, at \$50	500
Repairs to cabins and barns	376
Eight miles fire lines, at \$175	1,400
One bridge	180
One bridge	75

Total 176,392

NATIONAL FOREST DISTRICT 5—HEADQUARTERS, SAN FRANCISCO, CAL.

## Summary.

## Schedule 64.

Administration	\$8,220
Operation	33,320



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

Silviculture.....	\$31,780
Grazing.....	7,120
Products.....	10,360
Lands.....	26,080
Contingent (for fighting forest fires and and for other emergencies).....	25,000
	<hr/> \$141,880
Use, maintenance, and protection, national for- ests.....	576,235
Permanent improvements upon national forests.....	157,975
Total.....	<hr/> \$76,090

## Administration.

## Schedule 69.

District forester in charge.....	3,000
Travel and field expenses.....	1,000
Assistant district forester.....	2,200
Travel and field expenses.....	1,000
One stenographer.....	1,020
Total.....	<hr/> 8,220

## Operation.

## Schedule 70.

Supervision—	
Assistant in charge.....	\$2,100
Travel and field expenses.....	1,000
One assistant.....	1,600
Travel and field expenses.....	1,000
One stenographer.....	1,080
One stenographer.....	960
	<hr/> 7,740

Engineering—	
Engineer in charge.....	1,800
Travel and field expenses.....	800
One engineer.....	1,500
Travel and field expenses.....	1,000
One engineer.....	1,200
Travel and field expenses.....	600
One stenographer.....	960
	<hr/> 7,460

Accounts—	
Fiscal agent.....	1,700
One bookkeeper.....	1,500
One auditor.....	1,400
One stenographer.....	1,020
Two clerks, at \$900.....	1,800
	<hr/> 7,420

Maintenance—	
Clerk in charge.....	1,500
One stenographer.....	1,020
One stenographer.....	960
One clerk.....	900
Two messengers, at \$600.....	1,200
Rent, light, heat, janitor service.....	5,000
	<hr/> 10,700

Total.....  

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33,320

## Silviculture.

## Schedule 71.

Supervision—	
Assistant in charge.....	1,800
Travel and field expenses.....	900
One assistant.....	1,400
Travel and field expenses.....	900
One stenographer.....	1,020
	<hr/> 6,020

Timber Sales—	
Assistant in charge.....	1,300
Travel and field expenses.....	600
Two assistants, at \$1,200.....	2,400
Travel and field expenses, at \$600.....	1,200
Three lumbermen, at \$1,800.....	5,400
Travel and field expenses, at \$800.....	2,400
Two senders, at \$1,100.....	2,200
Travel and field expenses, at \$700.....	1,400
One stenographer.....	960
One file clerk.....	900
	<hr/> 19,360

Forest Planting—	
Assistant in charge.....	1,800
Travel and field expenses.....	800
One stenographer.....	900
	<hr/> 3,500

Stiles—	
Assistant in charge.....	1,200
Travel and field expenses.....	800
One stenographer.....	900
	<hr/> 2,900

Total.....  

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31,780

## Grazing.

## Schedule 72.

Assistant in charge.....	1,800
Travel and field expenses.....	900
One assistant.....	1,600
Travel and field expenses.....	900
One stenographer.....	1,020
One clerk.....	900
Total.....	<hr/> 7,120

## Products.

## Schedule 73.

Expert in charge.....	2,000
Travel and field expenses.....	800

One assistant.....	\$1,500
Travel and field expenses.....	800
One stenographer.....	960
One assistant in charge of laboratory at Berkeley.....	1,000
One assistant.....	1,000
One assistant.....	800
Equipment and testing expenses.....	1,500
Total.....	<hr/> 10,360

## Lands.

## Schedule 74.

Supervision—	
Assistant in charge.....	\$1,500
Travel and field expenses.....	600
One stenographer.....	1,020
	<hr/> 3,120

Occupancy—	
Assistant in charge.....	1,800
Travel and field expenses.....	500
Six examiners, at \$1,500.....	9,000
Travel and field expenses, at \$800.....	4,800
One land law clerk.....	1,100
One stenographer.....	960
One clerk.....	900
	<hr/> 19,360

Maps—	
One draftsman.....	1,500
One draftsman.....	1,200
One file clerk.....	900
	<hr/> 3,600

Total.....  

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26,080

## USE, MAINTENANCE, AND PROTECTION OF THE NATIONAL FORESTS.—NATIONAL FOREST DISTRICT 5.

## Summary.

## Schedule 75.

Forests.	Salary.	General ex- pense.	Forest plant- ing.	Total.	Area.
Angels.....	\$53,600	\$3,739	\$6,100	\$63,439	1,360,021
California.....	21,020	1,200	22,280	969,809	
Inyo.....	18,195	2,195	20,390	1,501,980	
Klamath.....	33,600	2,935	36,535	2,079,680	
Lassen.....	18,100	2,270	20,370	1,229,076	
Modoc.....	16,350	1,811	18,161	1,165,536	
Mono.....	4,500	860	5,360	656,640	
Monterey.....	12,500	1,686	14,186	514,477	
Plumas.....	29,500	2,875	32,375	1,333,280	
San Jacinto.....	37,350	2,315	39,665	1,904,825	
San Luis.....	13,700	1,067	14,767	259,100	
Santa Barbara.....	17,350	5,126	22,476	1,963,200	
Shasta.....	21,120	2,883	24,003	1,089,280	
Sequoia.....	44,300	3,355	47,655	3,011,400	
Sierra.....	59,250	7,784	67,034	1,911,810	
Stanislaus.....	21,820	2,743	24,563	1,114,380	
Tahoe.....	31,750	5,232	36,982	1,632,960	
Trinity.....	32,050	3,914	35,964	1,718,400	
Total.....	516,055	54,080	6,100	576,235	25,438,886

## Angels National Forest (California).

(Area, 1,360,021 acres.)

Salary—	
One supervisor.....	\$2,800 12 mo. \$2,800
One deputy supervisor.....	1,800 12 mo. 1,800
One forest assistant.....	1,800 12 mo. 1,800
One clerk.....	1,200 12 mo. 1,200
Twelve rangers.....	1,200 12 mo. 14,400
Fifteen rangers.....	1,100 12 mo. 16,500
Ten rangers.....	1,000 12 mo. 10,000
Eight guards.....	900 8 mo. 4,800
One guard.....	900 1 mo. 300
	<hr/> \$53,600

General expenses—Station, field, and travel ex-  
penses.....  

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3,739

Planting Station—	
Salary, 1 expert in charge.....	\$1,200
Salary, 1 expert in charge.....	900
Expenses, nursery and planting.....	4,000
	<hr/> 6,100

Total.....  

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63,439

## California National Forest (California).

(Area, 969,809 acres.)

Salary—	
One supervisor.....	\$1,800 12 mo. \$1,800
One deputy supervisor.....	1,600 12 mo. 1,600
One clerk.....	1,020 12 mo. 1,020
Four rangers.....	1,200 12 mo. 4,800
Eight rangers.....	1,100 12 mo. 8,800
Three rangers.....	1,000 12 mo. 3,000
	<hr/> 21,020

General expenses—Station, field, and travel ex-  
penses.....  

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1,260

Total.....  

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22,280

## Inyo National Forest (California).

(Area, 1,501,980 acres.)

Salary—	
One supervisor.....	\$1,800 12 mo. \$1,800
One deputy supervisor.....	1,500 12 mo. 1,500
One forest assistant.....	1,600 12 mo. 1,600
One clerk.....	1,020 12 mo. 1,020
Six rangers.....	1,200 12 mo. 7,200
Four rangers.....	1,100 12 mo. 4,400
One guard.....	900 9 mo. 675
	<hr/> \$18,195

General expenses—Station, field, and travel ex-  
penses.....  

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2,195

Total.....  

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20,390

## Klamath National Forest (California).

(Area, 2,079,680 acres.)

Salary—	
One supervisor.....	\$2,000 12 mo. \$2,000
One deputy supervisor.....	1,600 12 mo. 1,600
One forest assistant.....	1,600 12 mo. 1,600
One clerk.....	1,200 12 mo. 1,200
Eight rangers.....	1,200 12 mo. 9,600
Seven rangers.....	1,100 12 mo. 7,700
Six rangers.....	1,000 12 mo. 6,000
Eight guards.....	900 6 mo. 3,600
One guard.....	900 4 mo. 300
	<hr/> 33,600

General expenses—Station, field, and travel ex-  
penses.....  

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2,935

Total.....  

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36,535

## Lassen National Forest (California).

(Area, 1,229,076 acres.)

Salary—	
One supervisor.....	\$2,000 12 mo. \$2,000
One deputy supervisor.....	1,700 12 mo. 1,700
One forest assistant.....	1,700 12 mo. 1,700
One clerk.....	1,200 12 mo. 1,200
Five rangers.....	1,200 12 mo. 6,000
Five rangers.....	1,100 12 mo. 5,500
	<hr/> 18,100

General expenses—Station, field, and travel ex-  
penses.....  

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2,270

Total.....  

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20,370

## Modoc National Forest (California).

(Area, 1,165,536 acres.)

Salary—	
One supervisor.....	\$1,800 12 mo. \$1,800
One deputy supervisor.....	1,600 12 mo. 1,600
One forest assistant.....	1,600 12 mo. 1,600
One clerk.....	1,200 12 mo. 1,200
Four rangers.....	1,200 12 mo. 4,800
Three rangers.....	1,100 12 mo. 3,300
One ranger.....	1,000 12 mo. 1,000
One guard.....	900 8 mo. 600
One guard.....	900 6 mo. 450
	<hr/> 16,350

General expenses—Station, field, and travel ex-  
penses.....  

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1,811

Total.....  

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18,161

## Mono National Forest (California).

(Area, 656,640 acres.)

Salary—	
One supervisor.....	\$1,600 12 mo. \$1,600
One ranger.....	1,200 12 mo. 1,200
One ranger.....	1,100 12 mo. 1,100
One guard.....	900 6 mo. 450
One guard.....	900 2 mo. 150
	<hr/> 4,500

General expenses—Station, field, and travel ex-  
penses.....  

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860

Total.....  

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5,360

## Monterey National Forest (California).

(Area, 514,477 acres.)

Salary—	
One supervisor.....	\$1,800 12 mo. \$1,800
One clerk.....	1,200 12 mo. 1,200
Four rangers.....	1,200 12 mo. 4,800
Two rangers.....	1,100 12 mo. 2,200
One ranger.....	1,000 12 mo. 1,000
One guard.....	900 8 mo. 600
Two guards.....	900 6 mo. 900
	<hr/> 12,500

General expenses—Station, field, and travel ex-  
penses.....  

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1,686

Total.....  

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14,186

## Plumas National Forest (California).

(Area, 1,333,280 acres.)

Salary—	
One supervisor.....	\$2,400 12 mo. \$2,400
One deputy supervisor.....	1,700 12 mo. 1,700
One forest assistant.....	1,600 12 mo. 1,600
One clerk.....	1,200 12 mo. 1,200
Six rangers.....	1,200 12 mo. 7,200
Eight rangers.....	1,100 12 mo. 8,800
	<hr/> 21,900



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

## Salary—Continued.

Three rangers.....	\$1,000	12 mo.	\$3,000
Six guards.....	900	8 mo.	3,600
General expenses—Station, field, and travel expenses.....			29,500
Total.....			32,875

## San Jacinto National Forest (California).

(Area, 1,904,826 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,600	12 mo.	1,600
One forest assistant.....	1,600	12 mo.	1,600
One clerk.....	1,200	12 mo.	1,200
Twelve rangers.....	1,200	12 mo.	14,400
Seven rangers.....	1,100	12 mo.	7,700
Six guards.....	1,000	12 mo.	6,000
One guard.....	900	6 mo.	2,700
One guard.....	900	2 mo.	150
General expenses—Station, field, and travel expenses.....			37,350
Total.....			39,695

## San Luis National Forest (California).

(Area, 259,100 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One clerk.....	1,200	12 mo.	1,200
Four rangers.....	1,200	12 mo.	4,800
Two rangers.....	1,100	12 mo.	2,200
One ranger.....	1,000	12 mo.	1,000
Two guards.....	900	6 mo.	900
Three guards.....	900	8 mo.	1,800
General expenses—Station, field, and travel expenses.....			13,700
Total.....			14,767

## Santa Barbara National Forest (California).

(Area, 1,963,200 acres.)

Salary—			
One supervisor.....	\$2,700	12 mo.	\$2,700
One deputy supervisor.....	1,800	12 mo.	1,800
One forest assistant.....	1,700	12 mo.	1,700
One clerk.....	1,200	12 mo.	1,200
Twelve rangers.....	1,200	12 mo.	14,400
Ten rangers.....	1,100	12 mo.	11,000
Nine rangers.....	1,000	12 mo.	9,000
Seven guards.....	900	8 mo.	4,200
Three guards.....	900	6 mo.	1,350
General expenses—Station, field, and travel expenses.....			47,350
Total.....			52,476

## Shasta National Forest (California).

(Area, 1,089,280 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,500	12 mo.	1,500
One forest assistant.....	1,700	12 mo.	1,700
One clerk.....	1,020	12 mo.	1,020
Four rangers.....	1,200	12 mo.	4,800
Five rangers.....	1,100	12 mo.	5,500
Three rangers.....	1,000	12 mo.	3,000
Three guards.....	900	8 mo.	1,800
General expenses—Station, field, and travel expenses.....			21,120
Total.....			24,003

## Sequoia National Forest (California).

(Area, 3,014,400 acres.)

Salary—			
One supervisor.....	\$2,600	12 mo.	\$2,600
One deputy supervisor.....	1,800	12 mo.	1,800
One forest assistant.....	1,700	12 mo.	1,700
One clerk.....	1,200	12 mo.	1,200
Twelve rangers.....	1,200	12 mo.	14,400
Ten rangers.....	1,100	12 mo.	11,000
Eight rangers.....	1,000	12 mo.	8,000
Six guards.....	900	8 mo.	3,600
General expenses—Station, field, and travel expenses.....			44,300
Total.....			47,655

## Sierra National Forest (California).

(Area, 1,911,840 acres.)

Salary—			
One supervisor.....	\$2,500	12 mo.	\$2,500
One deputy supervisor.....	1,800	12 mo.	1,800
One forest assistant.....	1,700	12 mo.	1,700
One clerk.....	1,200	12 mo.	1,200
Twelve rangers.....	1,200	12 mo.	14,400
Twelve rangers.....	1,100	12 mo.	13,200
Fifteen rangers.....	1,000	12 mo.	15,000
Ten guards.....	900	9 mo.	6,750
Six guards.....	900	6 mo.	2,700
General expenses—Station, field, and travel expenses.....			59,250
Total.....			77,844

## Stanislaus National Forest (California).

(Area, 1,114,380 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One forest assistant.....	1,400	12 mo.	1,400
One clerk.....	1,020	12 mo.	1,020
Five rangers.....	1,200	12 mo.	6,000
Six rangers.....	1,100	12 mo.	6,600
Three rangers.....	1,000	12 mo.	3,000
Three guards.....	900	8 mo.	1,800
General expenses—Station, field, and travel expenses.....			21,820
Total.....			24,563

## Tahoe National Forest (California).

(Area, 1,632,960 acres.)

Salary—			
One supervisor.....	\$2,200	12 mo.	\$2,200
One deputy supervisor.....	1,600	12 mo.	1,600
One forest assistant.....	1,700	12 mo.	1,700
One clerk.....	1,200	12 mo.	1,200
Six rangers.....	1,200	12 mo.	7,200
Eight rangers.....	1,100	12 mo.	8,800
Five rangers.....	1,000	12 mo.	5,000
Five guards.....	900	8 mo.	3,600
One guard.....	900	5 mo.	375
One guard.....	900	9 mo.	675
General expenses—Station, field, and travel expenses.....			31,750
Total.....			36,982

## Trinity National Forest (California).

(Area, 1,718,400 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,600	12 mo.	1,600
One forest assistant.....	1,500	12 mo.	1,500
One clerk.....	1,200	12 mo.	1,200
Four rangers.....	1,200	12 mo.	4,800
Eight rangers.....	1,100	12 mo.	8,800
Nine rangers.....	1,000	12 mo.	9,000
Seven guards.....	900	6 mo.	3,150
General expenses—Station, field, and travel expenses.....			32,050
Total.....			35,964

## CONSTRUCTION AND REPAIR OF PERMANENT IMPROVEMENTS—NATIONAL FOREST DISTRICT 5.

## Summary.

## Schedule 76.

Forest.	State.	Expenditures.	Area.
			Acres.
Angeles.....	California.....	\$7,295	1,360,021
California.....	do.....	5,235	969,809
Inyo.....	do.....	8,100	1,501,980
Klamath.....	do.....	11,215	2,079,680
Lassen.....	do.....	6,630	1,229,076
Lassen.....	do.....	6,255	1,165,536
Modoc.....	do.....	3,545	656,640
Mono.....	do.....	2,775	514,177
Monterey.....	do.....	7,195	1,333,280
Plumas.....	do.....	10,250	1,904,826
San Jacinto.....	do.....	1,400	259,100
San Luis.....	do.....	10,575	1,963,200
Santa Barbara.....	do.....	16,650	3,014,400
Sequoia.....	do.....	5,875	1,089,280
Shasta.....	do.....	17,300	1,911,840
Sierra.....	do.....	11,310	1,114,380
Stanislaus.....	do.....	14,720	1,652,960
Tahoe.....	do.....	11,650	1,718,400
Trinity.....	do.....		
Total.....		157,975	25,438,885

## CONSTRUCTION AND MAINTENANCE OF PERMANENT IMPROVEMENTS—NATIONAL FOREST DISTRICT 5.

Angeles National Forest—		
Three rangers' houses, at \$475.....	\$1,425	
Three barns, at \$75.....	225	
Five miles pasture fence, at \$125.....	625	
Twenty miles trails, at \$50.....	1,000	
Twenty-seven miles trails, at \$60.....	1,620	
Twenty-five miles telephone line, at \$60.....	1,500	
Repairs, roads and trails.....	500	
Repairs, cabins, barns, and fences.....	400	\$7,295
California National Forest—		
Twenty-one miles trails, at \$60.....	1,260	
Repairs to roads, trails.....	300	
Repairs to cabins, barns, fences.....	300	
Repairs to rangers' houses, at \$500.....	1,500	
Three rangers' houses, at \$75.....	225	
Three barns, at \$125.....	750	
Six miles pasture fence, at \$150.....	900	
Six miles roads, at \$150.....		5,235

## Inyo National Forest—

Ten miles telephone line, at \$60.....	\$600
Forty miles trails, at \$60.....	2,400
Repairs, roads and trails.....	500
Repairs, cabins and barns.....	275
Five rangers' houses, at \$475.....	2,375
Five barns, at \$75.....	375
Nine miles pasture fence, at \$125.....	1,125
Three bridges, at \$150.....	450
	\$8,100

## Klamath National Forest—

Additions and repairs, cabins.....	1,000
Repairs, roads and trails.....	675
Thirty miles trails, at \$50.....	1,500
Ten miles road, at \$300.....	3,000
Three rangers' houses, at \$480.....	1,440
Three barns, at \$100.....	300
Six miles pasture fence, at \$125.....	750
Five bridges, at \$150.....	750
Thirty miles telephone line, at \$60.....	1,800
	11,215

## Lassen National Forest—

Twenty-five miles telephone line, at \$55.....	1,375
Thirty miles trails, at \$50.....	1,500
Three rangers' houses, at \$180.....	1,140
Three barns, at \$75.....	225
Five miles pasture fence, at \$125.....	625
Repairs, cabins, barns, fences.....	730
Repairs to roads and trails.....	725
	6,630

## Modoc National Forest—

Four rangers' houses, at \$475.....	1,800
Four barns, at \$85.....	340
Seven miles pasture fence, at \$125.....	875
Twenty miles trails, at \$60.....	1,200
Twenty-six miles trails, at \$40.....	1,040
Repairs and additions to cabins and houses.....	500
Repairs and additions to roads and trails.....	500
	6,255

## Mono National Forest—

Four rangers' houses, at \$475.....	1,400
Four barns, at \$75.....	300
Seven miles pasture fence, at \$125.....	875
Ten miles trails, at \$50.....	500
Repairs cabins, barns.....	215
Repairs to roads and trails.....	225
	3,545

## Monterey National Forest—

Two rangers' houses, at \$125.....	950
Two barns, at \$75.....	150
Four miles pasture fence, at \$125.....	500
Fifteen miles trails, at \$60.....	900
Repairs to trails and cabins.....	275
	2,775

## Plumas National Forest—

Three rangers' houses, at \$475.....	1,425
Three barns, at \$75.....	225
Six miles pasture fence, at \$125.....	750
Twenty miles telephone line, at \$60.....	1,200
Fifteen miles trails, at \$60.....	900
Fifteen miles trails, at \$60.....	900
Additions to cabins, barns.....	625
Ten miles road repaired, at \$75.....	750
Repairs to trails.....	420
	7,195

## San Jacinto National Forest—

Ten miles trails, at \$50.....	500
Thirty miles trail, at \$80.....	2,400
Twenty miles telephone line, at \$75.....	1,500
Four rangers' houses, at \$500.....	2,000
Four barns, at \$75.....	300
Seven miles pasture fence, at \$125.....	875
Repairs, cabins, barns, fences.....	200
Repairs, roads and trails.....	175
Ten miles fire lines, at \$200.....	2,000
	10,250

## San Luis National Forest—

One ranger's house.....	475
One barn.....	75
One and one-half miles pasture fence, at \$125.....	190
Ten miles trails, at \$50.....	500
Repairs, trails and cabins.....	160
	1,400

## Santa Barbara National Forest—

Repairs, roads and trails.....	900
Repairs, cabins, barns, fences.....	525
Twenty-five miles trails, at \$55.....	1,375
Twenty-five miles telephone lines, at \$60.....	1,500
Ten miles fire lines, at \$250.....	2,500
Four rangers' houses, at \$500.....	2,000
Four barns, at \$75.....	300
Seven miles pasture fence, at \$125.....	875
Two bridges, at \$500.....	600
	10,575

## Sequoia National Forest—

Eight rangers' houses, at \$475.....	3,800
Eight barns, at \$75.....	600
Fourteen miles pasture fence, at \$125.....	1,750
Twenty miles trails, at \$70.....	1,400
Sixty miles trails, at \$60.....	3,600
Thirty miles telephone lines, at \$60.....	1,800
Repairs, roads and trails.....	1,400
Repairs, cabins, fences, barns.....	500
Eight miles drift fences, at \$125.....	1,000
Four bridges, at \$200.....	800
	16,650



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

<b>Shasta National Forest—</b>	
Five rangers' houses, at \$175.....	\$2,375
Five barns, at \$75.....	375
Eight miles pasture fence, at \$125.....	1,000
Repairs, roads, and trails.....	1,100
Repairs, cabins, fences, barns.....	525
One bridge.....	500
	\$5,875
<b>Sierra National Forest—</b>	
Sixty miles trails, at \$50.....	3,000
Forty miles trails, at \$75.....	3,000
Fifteen miles fire lines, at \$300.....	4,500
Repairs, cabins, barns.....	500
Three bridges, at \$100.....	1,200
Repairs on trails and roads.....	525
Thirty miles telephone lines, at \$50.....	1,500
Four rangers' houses, at \$175.....	1,900
Four barns, at \$75.....	300
Seven miles pasture fence, at \$125.....	875
	17,300
<b>Stanislaus National Forest—</b>	
Thirty-five miles trails, at \$60.....	2,100
Eighty-two miles trails, at \$50.....	4,100
Three bridges, at \$200.....	600
Forty miles telephone lines, at \$60.....	2,400
Two rangers' houses, at \$175.....	950
Two barns, at \$75.....	150
Four miles pasture fence, at \$125.....	500
Repairs, roads and trails.....	510
	11,310
<b>Tuolumne National Forest—</b>	
One bridge.....	450
One bridge.....	200
Sixty miles trails, at \$50.....	3,000
Seventy-eight miles trails, at \$50.....	3,900
Thirty-two miles telephone lines, at \$60.....	1,920
Repairs, cabins, barns, fences, and roads.....	545
Three rangers' houses, at \$500.....	1,500
Three barns, at \$85.....	255
Six miles pasture fence, at \$125.....	750
Ten miles roads, at \$160.....	1,600
	14,720
<b>Trinity National Forest—</b>	
Twenty-five miles telephone line, at \$70.....	1,750
Eighty-six miles trails, at \$50.....	4,300
Repairs roads and trails.....	970
Repairs, cabins, barns, and fences.....	580
Three rangers' houses, at \$500.....	1,500
Three barns, at \$100.....	300
Six miles pasture fence, at \$125.....	750
Ten miles roads, at \$150.....	1,500
	11,650
<b>Total.....</b>	<b>157,975</b>

## NATIONAL FOREST DISTRICT 6—HEADQUARTERS, PORTLAND, OREG.

## Summary.

## Schedule 77.

Administration.....	\$7,720
Operation.....	32,150
Silviculture.....	26,780
Grazing.....	7,580
Products.....	10,900
Lands.....	31,080
Contingent (for fighting forest fires and for other unforeseen emergencies).....	25,000
	\$144,220
Use, maintenance, and protection, National Forests.....	498,194
Permanent improvements upon National Forests.....	173,079
<b>Total.....</b>	<b>815,493</b>

## Administration.

## Schedule 78.

District forester in charge.....	2,700
Travel and field expenses.....	1,000
Assistant district forester.....	2,000
Travel and field expenses.....	1,000
One stenographer.....	1,020
<b>Total.....</b>	<b>7,720</b>

## Operation.

## Schedule 79.

<b>Supervision—</b>	
Assistant in charge.....	\$1,600
Travel and field expenses.....	1,000
One assistant.....	1,500
Travel and field expenses.....	1,000
One stenographer.....	1,020
One stenographer.....	960
	7,080
<b>Engineering—</b>	
Engineer in charge.....	1,800
Travel and field expenses.....	800
One engineer.....	1,500
Travel and field expenses.....	600
One engineer.....	1,200
Travel and field expenses.....	600
One stenographer.....	900
	7,400

<b>Accounts—</b>	
Fiscal agent.....	\$1,600
One bookkeeper.....	1,400
One auditor.....	1,400
One stenographer.....	1,020
Two clerks, at \$900.....	1,800
	\$7,220
<b>Maintenance—</b>	
Clerk in charge.....	1,260
One stenographer.....	1,020
One stenographer.....	960
One clerk.....	900
Two messengers, at \$660.....	1,320
Rent, light, heat, janitor service.....	5,000
	10,460
<b>Total.....</b>	<b>32,160</b>

## Silviculture.

## Schedule 80.

<b>Supervision—</b>	
Assistant in charge.....	\$1,800
Travel and field expenses.....	900
One assistant.....	1,400
Travel and field expenses.....	900
One stenographer.....	1,020
	6,020
<b>Timber sales—</b>	
Assistant in charge.....	1,400
Travel and field expenses.....	600
Two assistants, at \$1,200.....	2,400
Travel and field expenses, at \$600.....	1,200
Two timbermen, at \$1,800.....	3,600
Travel and field expenses, at \$800.....	1,600
One scaler.....	1,400
Travel and field expenses.....	700
One stenographer.....	960
One file clerk.....	900
	14,760

<b>Forest Planting—</b>	
Assistant in charge.....	1,200
Travel and field expenses.....	800
One stenographer.....	900
	2,900
<b>Silvics—</b>	
Assistant in charge.....	1,400
Travel and field expenses.....	800
One stenographer.....	900
	3,100
<b>Total.....</b>	<b>26,780</b>

## Grazing.

## Schedule 81.

Assistant in charge.....	2,000
Travel and field expenses.....	900
One assistant.....	1,800
Travel and field expenses.....	900
One stenographer.....	1,080
One clerk.....	900
<b>Total.....</b>	<b>7,580</b>

## Products.

## Schedule 82.

Expert in charge.....	1,600
Travel and field expenses.....	800
One assistant.....	1,400
Travel and field expenses.....	800
One stenographer.....	900
One assistant in charge of laboratory at Seattle.....	1,600
One assistant.....	1,000
One assistant.....	800
Equipment and testing expenses.....	2,000
<b>Total.....</b>	<b>10,900</b>

## Lands.

## Schedule 83.

<b>Supervision—</b>	
Assistant in charge.....	\$1,600
Travel and field expenses.....	600
One stenographer.....	1,020
	3,220
<b>Occupancy—</b>	
Assistant in charge.....	1,800
Travel and field expenses.....	500
Nine examiners, at \$1,500.....	13,500
Travel and field expenses, at \$800.....	7,200
One land law clerk.....	1,400
One stenographer.....	960
One clerk.....	900
	26,260
<b>Maps—</b>	
One draftsman.....	1,500
One draftsman.....	1,200
One draftsman.....	1,000
One file clerk.....	900
	4,600
<b>Total.....</b>	<b>34,080</b>

## USE, MAINTENANCE, AND PROTECTION OF THE NATIONAL FORESTS—NATIONAL FOREST DISTRICT 6.

## Summary.

## Schedule 84.

Forests.	Salary.	General expense.	Total.	Area.
				Acres.
Cascade.....	\$20,450	\$1,621	\$22,071	1,845,120
Chelan.....	28,450	3,013	31,463	2,048,640
Chugach.....	2,900	4,025	6,925	5,330,640
Colville.....	12,850	1,481	14,331	869,520
Columbia.....	17,645	1,390	19,035	946,880
Crater.....	27,200	2,270	29,470	1,106,802
Deschutes.....	22,850	1,292	24,142	1,475,480
Fremont.....	24,720	1,908	26,628	1,256,980
Malheur.....	16,275	1,881	18,156	1,183,458
Olympic.....	21,350	1,583	22,933	1,594,560
Oregon.....	28,100	1,092	29,192	1,788,320
Rainier.....	25,920	2,278	28,198	1,676,160
Siskiyou.....	24,720	1,717	26,437	1,305,657
Siuslaw.....	14,770	1,141	15,911	973,918
Snoqualmie.....	20,100	1,664	21,764	1,004,160
Tongass.....	4,800	4,684	9,484	6,756,986
Umatilla.....	8,000	1,516	9,516	550,176
Umpqua.....	20,725	1,741	22,466	1,678,560
Wallowa.....	24,825	2,381	27,206	1,550,240
Washington.....	20,625	1,575	22,200	1,493,400
Wenaha.....	14,120	1,356	15,476	813,342
Wenatchee.....	27,950	2,175	30,125	1,378,569
Whitman.....	23,070	1,892	24,962	1,264,739
<b>Total.....</b>	<b>452,515</b>	<b>45,679</b>	<b>498,194</b>	<b>40,072,287</b>

## Cascade National Forest (Oregon).

## (Area, 1,845,120 acres.)

<b>Salary—</b>	
One supervisor.....	\$2,000 12 mo. \$2,000
One deputy supervisor.....	1,500 12 mo. 1,500
One clerk.....	1,200 12 mo. 1,200
One forest assistant.....	1,700 12 mo. 1,700
Two rangers.....	1,200 12 mo. 2,400
Two rangers.....	1,100 12 mo. 2,200
Nine rangers.....	1,000 12 mo. 9,000
One guard.....	900 6 mo. 450
	\$20,450
<b>General expenses—Station, field, and travel expenses.....</b>	
	1,621
<b>Total.....</b>	<b>22,071</b>

## Chelan National Forest (Washington).

## (Area, 2,048,640 acres.)

<b>Salary—</b>	
One supervisor.....	\$2,000 12 mo. \$2,000
One deputy supervisor.....	1,500 12 mo. 1,500
One clerk.....	1,200 12 mo. 1,200
One forest assistant.....	1,700 12 mo. 1,700
Four rangers.....	1,200 12 mo. 4,800
Four rangers.....	1,100 12 mo. 4,400
Twelve rangers.....	1,000 12 mo. 12,000
One guard.....	900 6 mo. 450
One guard.....	900 4 mo. 300
	28,450
<b>General expenses—Station, field, and travel expenses.....</b>	
	3,013
<b>Total.....</b>	<b>31,463</b>

## Chugach National Forest (Alaska).

## (Area, 5,330,640 acres.)

<b>Salary—</b>	
One deputy supervisor.....	\$1,700 12 mo. \$1,700
One ranger.....	1,200 12 mo. 1,200
	2,900
<b>General expenses—Station, field, and travel expenses.....</b>	
	4,025
<b>Total.....</b>	<b>6,925</b>

## Colville National Forest (Washington).

## (Area, 869,520 acres.)

<b>Salary—</b>	
One supervisor.....	\$1,800 12 mo. \$1,800
One clerk.....	1,200 12 mo. 1,200
Two rangers.....	1,200 12 mo. 2,400
Two rangers.....	1,100 12 mo. 2,200
Four rangers.....	1,000 12 mo. 4,000
Three guards.....	900 6 mo. 1,350
	12,950
<b>General expenses—Station, field, and travel expenses.....</b>	
	1,481
<b>Total.....</b>	<b>14,431</b>

## Columbia National Forest (Washington).

## (Area, 946,880 acres.)

<b>Salary—</b>	
One supervisor.....	\$1,700 12 mo. \$1,700
One deputy supervisor.....	1,400 12 mo. 1,400
One clerk.....	1,020 12 mo. 1,020
One forest assistant.....	1,600 12 mo. 1,600



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

## Salary—Continued.

Two rangers.....	\$1,200	12 mo.	\$2,400
Nine rangers.....	1,000	12 mo.	9,000
One guard.....	900	6 mo.	450
One guard.....	900	1 mo.	75
General expenses—Station, field, and travel expenses.....			\$17,645
Total.....			1,390
Total.....			19,035

## Crater National Forest (Oregon).

(Area, 1,106,802 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One deputy supervisor.....	1,500	12 mo.	1,500
One clerk.....	1,200	12 mo.	1,200
One forest assistant.....	1,600	12 mo.	1,600
Four rangers.....	1,200	12 mo.	4,800
Four rangers.....	1,100	12 mo.	4,400
Eleven rangers.....	1,000	12 mo.	11,000
Two guards.....	900	6 mo.	900
General expenses—Station, field, and travel expenses.....			27,200
Total.....			2,270
Total.....			29,470

## Deschutes National Forest (Oregon).

(Area, 1,475,480 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,500	12 mo.	1,500
One forest assistant.....	1,600	12 mo.	1,600
One clerk.....	1,200	12 mo.	1,200
Two rangers.....	1,200	12 mo.	2,400
Four rangers.....	1,100	12 mo.	4,400
Nine rangers.....	1,000	12 mo.	9,000
One guard.....	900	6 mo.	450
One guard.....	900	4 mo.	300
General expenses—Station, field, and travel expenses.....			22,850
Total.....			1,292
Total.....			24,142

## Fremont National Forest (Oregon).

(Area, 1,236,960 acres.)

Salary—			
One supervisor.....	\$1,900	12 mo.	\$1,900
One deputy supervisor.....	1,500	12 mo.	1,500
One clerk.....	1,020	12 mo.	1,020
Two rangers.....	1,200	12 mo.	2,400
Four rangers.....	1,100	12 mo.	4,400
Ten rangers.....	1,000	12 mo.	10,000
Three guards.....	900	6 mo.	1,350
One guard.....	900	2 mo.	150
General expenses—Station, field, and travel expenses.....			24,720
Total.....			1,908
Total.....			26,628

## Malheur National Forest (Oregon).

(Area, 1,183,458 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One clerk.....	1,200	12 mo.	1,200
One ranger.....	1,200	12 mo.	1,200
Two rangers.....	1,100	12 mo.	2,200
Eight rangers.....	1,000	12 mo.	8,000
Four guards.....	900	6 mo.	1,800
One guard.....	900	1 mo.	75
General expenses—Station, field, and travel expenses.....			16,275
Total.....			1,881
Total.....			18,156

## Olympic National Forest (Washington).

(Area, 1,594,560 acres.)

Salary—			
One supervisor.....	\$1,900	12 mo.	\$1,900
One clerk.....	1,200	12 mo.	1,200
Two rangers.....	1,200	12 mo.	2,400
Four rangers.....	1,100	12 mo.	4,400
Eleven rangers.....	1,000	12 mo.	11,000
One guard.....	900	6 mo.	450
General expenses—Station, field, and travel expenses.....			21,350
Total.....			1,583
Total.....			22,933

## Oregon National Forest (Oregon).

(Area, 1,788,320 acres.)

Salary—			
One supervisor.....	\$2,700	12 mo.	\$2,700
One deputy supervisor.....	1,500	12 mo.	1,500
One clerk.....	1,200	12 mo.	1,200
One forest assistant.....	1,700	12 mo.	1,700
Four rangers.....	1,200	12 mo.	4,800
Four rangers.....	1,100	12 mo.	4,400

## Salary—Continued.

Ten rangers.....	\$1,000	12 mo.	\$10,000
Four guards.....	900	6 mo.	1,800
General expenses—Station, field, and travel expenses.....			\$28,100
Total.....			1,092
Total.....			29,192

## Rainier National Forest (Washington).

(Area, 1,676,160 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,500	12 mo.	1,500
One clerk.....	1,020	12 mo.	1,020
One forest assistant.....	1,700	12 mo.	1,700
Four rangers.....	1,200	12 mo.	4,800
Four rangers.....	1,100	12 mo.	4,400
Nine rangers.....	1,000	12 mo.	9,000
Three guards.....	900	6 mo.	1,350
One guard.....	900	2 mo.	150
General expenses—Station, field, and travel expenses.....			25,920
Total.....			2,278
Total.....			28,198

## Siskiyou National Forest (Oregon).

(Area, 1,305,657 acres.)

Salary—			
One supervisor.....	\$1,900	12 mo.	\$1,900
One deputy supervisor.....	1,500	12 mo.	1,500
One clerk.....	1,020	12 mo.	1,020
Two rangers.....	1,200	12 mo.	2,400
Four rangers.....	1,100	12 mo.	4,400
Twelve rangers.....	1,000	12 mo.	12,000
Three guards.....	900	6 mo.	1,350
One guard.....	900	2 mo.	150
General expenses—Station, field, and travel expenses.....			24,720
Total.....			1,717
Total.....			26,437

## Sinlaw National Forest (Oregon).

(Area, 973,918 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One clerk.....	1,020	12 mo.	1,020
One ranger.....	1,200	12 mo.	1,200
One ranger.....	1,100	12 mo.	1,100
Eight rangers.....	1,000	12 mo.	8,000
Three guards.....	900	6 mo.	1,350
One guard.....	900	4 mo.	300
General expenses—Station, field, and travel expenses.....			14,770
Total.....			1,141
Total.....			15,911

## Snoqualmie National Forest (Washington).

(Area, 1,004,160 acres.)

Salary—			
One supervisor.....	\$1,900	12 mo.	\$1,900
One deputy supervisor.....	1,400	12 mo.	1,400
One clerk.....	1,200	12 mo.	1,200
One forest assistant.....	1,700	12 mo.	1,700
One ranger.....	1,200	12 mo.	1,200
Two deputy rangers.....	1,100	12 mo.	2,200
Nine deputy rangers.....	1,000	12 mo.	9,000
Three guards.....	900	6 mo.	1,350
One guard.....	900	2 mo.	150
General expenses—Station, field, and travel expenses.....			20,100
Total.....			1,664
Total.....			21,764

## Tongass National Forest (Alaska).

(Area, 6,756,986 acres.)

Salary—			
One supervisor.....	\$2,400	12 mo.	\$2,400
One clerk.....	1,200	12 mo.	1,200
One ranger.....	1,200	12 mo.	1,200
General expenses—Station, field, and travel expenses.....			4,800
Total.....			4,684
Total.....			9,484

## Umatilla National Forest (Oregon).

(Area, 550,176 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One clerk.....	1,200	12 mo.	1,200
One ranger.....	1,100	12 mo.	1,100
One ranger.....	1,000	12 mo.	3,000
Three guards.....	900	6 mo.	900
Two guards.....			
General expenses—Station, field, and travel expenses.....			8,000
Total.....			1,516
Total.....			9,516

## Umpqua National Forest (Oregon).

(Area, 1,578,560 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,700	12 mo.	1,700
One clerk.....	1,200	12 mo.	1,200
One forest assistant.....	1,700	12 mo.	1,700
Two rangers.....	1,200	12 mo.	2,400
Two rangers.....	1,100	12 mo.	2,200
Nine rangers.....	1,000	12 mo.	9,000
One guard.....	900	6 mo.	450
One guard.....	900	1 mo.	75
General expenses—Station, field, and travel expenses.....			\$20,725
Total.....			1,741
Total.....			22,465

## Wallowa National Forest (Oregon).

(Area, 1,750,210 acres.)

Salary—			
One supervisor.....	\$1,900	12 mo.	\$1,900
One deputy supervisor.....	1,500	12 mo.	1,500
One clerk.....	1,200	12 mo.	1,200
Two rangers.....	1,200	12 mo.	2,400
Four rangers.....	1,100	12 mo.	4,400
Twelve rangers.....	1,000	12 mo.	12,000
Three guards.....	900	6 mo.	1,350
One guard.....	900	1 mo.	75
General expenses—Station, field, and travel expenses.....			24,825
Total.....			2,381
Total.....			27,206

## Washington National Forest (Washington).

(Area, 1,493,400 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One forest assistant.....	1,700	12 mo.	1,700
One deputy supervisor.....	1,500	12 mo.	1,500
One clerk.....	1,200	12 mo.	1,200
One ranger.....	1,200	12 mo.	1,200
Two deputy rangers.....	1,100	12 mo.	2,200
Nine deputy rangers.....	1,000	12 mo.	9,000
Four guards.....	900	6 mo.	1,800
One guard.....	900	3 mo.	225
General expenses—Station, field, and travel expenses.....			20,625
Total.....			1,575
Total.....			22,200

## Wenaha National Forest (Oregon).

(Area, 813,342 acres.)

Salary—			
One supervisor.....	\$1,800	12 mo.	\$1,800
One clerk.....	1,020	12 mo.	1,020
One forest assistant.....	1,600	12 mo.	1,600
One ranger.....	1,200	12 mo.	1,200
Two rangers.....	1,100	12 mo.	2,200
Six rangers.....	1,000	12 mo.	6,000
One guard.....	900	4 mo.	300
General expenses—Station, field, and travel expenses.....			14,120
Total.....			1,356
Total.....			15,476

## Wenatchee National Forest (Washington).

(Area, 1,378,569 acres.)

Salary—			
One supervisor.....	\$2,000	12 mo.	\$2,000
One deputy supervisor.....	1,500	12 mo.	1,500
One clerk.....	1,200	12 mo.	1,200
One forest assistant.....	1,700	12 mo.	1,700
Two rangers.....	1,200	12 mo.	2,400
Six rangers.....	1,100	12 mo.	6,600
Ten rangers.....	1,000	12 mo.	10,000
Five guards.....	900	6 mo.	2,250
One guard.....	900	1 mo.	300
General expenses—Station, field, and travel expenses.....			27,950
Total.....			2,175
Total.....			30,125

## Whitman National Forest (Washington).

(Area, 1,261,739 acres.)

Salary—			
One supervisor.....	\$1,900	12 mo.	\$1,900
One deputy supervisor.....	1,500	12 mo.	1,500
One clerk.....	1,020	12 mo.	1,020
One ranger.....	1,200	12 mo.	1,200
Four rangers.....	1,100	12 mo.	4,400
Twelve rangers.....	1,000	12 mo.	12,000
Two guards.....	900	6 mo.	900
One guard.....	900	2 mo.	150
General expenses—Station, field, and travel expenses.....			23,070
Total.....			1,892
Total.....			24,962



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

## CONSTRUCTION AND REPAIR OF PERMANENT IMPROVEMENTS—NATIONAL FOREST DISTRICT 6.

## Summary.

## Schedule 85.

Forest.	State.	Expenditures.	Area.
			<i>Acres.</i>
Cascade	Oregon	\$9,955	1,845,120
Chehalis	Washington	11,050	2,048,640
Chugach	Alaska	5,555	5,330,640
Columbia	Washington	5,100	916,880
Colville	do	4,690	869,520
Crater	Oregon	5,970	1,105,802
Deschutes	do	7,955	1,475,480
Fremont	do	6,670	1,236,960
Malheur	do	6,350	1,183,458
Olympia	Washington	8,575	1,594,560
Oregon	Oregon	9,647	1,788,320
Rainier	Washington	9,040	1,676,160
Siuslaw	Oregon	5,255	973,918
Siskiyou	do	7,025	1,305,657
Snoqualmie	Washington	5,412	1,004,160
Tongass	Alaska	5,820	6,756,986
Umatilla	Oregon	2,968	550,176
Umpqua	do	9,050	1,678,560
Wallowa	do	9,432	1,750,240
Washington	Washington	11,975	1,493,400
Wenatchee	Oregon	5,380	813,342
Wenatchee	Washington	13,125	1,378,569
Whitman	Oregon	6,780	1,264,739
Total		173,079	40,672,287

## CONSTRUCTION AND MAINTENANCE OF PERMANENT IMPROVEMENTS—NATIONAL FOREST DISTRICT 6.

## Cascade National Forest—

Twenty-five miles telephone line, at \$60	\$1,500
Thirty-five miles trails, at \$60	2,100
Ten miles trails, at \$70	700
Six rangers' houses, at \$175	2,850
Six barns, at \$75	450
Nine miles pasture fence, at \$125	1,125
Repairs, cabins, barns, and fences	330
Repairs, roads and trails	550
One bridge	300
One bridge	150
	\$9,955

## Chehalis National Forest—

Three bridges, at \$150	450
One bridge	300
Thirty-five miles trails, at \$70	2,450
Repairs, roads and trails	600
Repairs, cabins, barns, and fences	1,000
Five rangers' houses, at \$175	2,375
Five barns, at \$75	375
Eight miles pasture fence, at \$125	1,000
Ten miles road, at \$250	2,500
	11,050

## Chugach National Forest—

Two cabins, at \$490	980
Two barns, at \$100	200
Three miles pasture fence, at \$125	375
Repairs, roads	300
Forty miles trails, at \$70	2,800
Repairs, roads and trails	700
Repairs, cabins, barns, etc.	200
	5,555

## Columbia National Forest—

Thirty miles trails, at \$60	1,800
Ten miles trails, at \$50	500
Repairs, cabins, barns, fences	200
Repairs, roads, trails	325
Three cabins, at \$175	1,125
Three barns, at \$75	225
Five miles pasture fence, at \$125	625
	5,100

## Colville National Forest—

Twenty miles trails, at \$60	1,200
Two rangers' houses, at \$175	350
Two barns, at \$75	150
Three miles pasture fence, at \$130	390
Repairs, cabins, barns, and fences	500
Twenty miles telephone, at \$75	1,500
	4,690

## Crater National Forest—

Four rangers' houses, at \$175	1,500
Four barns, at \$75	300
Seven miles pasture fence, at \$125	875
Thirty miles trails, at \$60	1,800
Repairs, cabins, barns, and fences	245
Ten miles drift fence, at \$125	1,250
	5,970

## Deschutes National Forest—

Three rangers' houses, at \$500	1,500
Three barns, at \$75	225
Seven miles pasture fence, at \$125	875
Thirty-five miles trails, at \$75	2,625
Twenty miles telephone, at \$75	1,500
Repairs, cabins, barns, and fences	600
Repairs, roads, trails	630
	7,955

## Fremont National Forest—

Repairs on wagon road	\$1,000
Thirty miles trails, at \$50	1,500
Ten miles trails, at \$60	600
Two rangers' houses, at \$175	950
Two barns, at \$75	150
Three miles pasture fence, at \$125	375
Twenty-five miles telephone line, at \$55	1,375
Repairs, cabins, barns, and fences	220
One bridge	250
One bridge	250
	\$6,670

## Malheur National Forest—

Four rangers' houses, at \$175	1,900
Four barns, at \$75	300
Six miles pasture fence, at \$125	750
Repairs, roads, trails	500
Repairs, cabins, barns, and fences	550
Thirty-five miles trails, at \$60	2,100
One bridge	250
	6,350

## Olympia National Forest—

Twenty miles trails, at \$60	1,200
Thirty miles trails, at \$50	1,500
Twenty-five miles telephone, at \$55	1,375
Five rangers' houses, at \$175	2,375
Five barns, at \$75	375
Eight miles pasture fence, at \$125	1,000
Two bridges, at \$200	400
Repairs, roads, and trails	350
	8,575

## Oregon National Forest—

One ranger's house	475
One ranger's house	475
One ranger's house	475
One ranger's house	475
Four barns, at \$75	300
Seven miles pasture fence, at \$125	875
Fifteen miles trails, at \$50	750
Twenty-five miles trails, at \$65	1,625
Thirty miles telephone line, at \$60	1,800
Ten miles fire line, at \$200	2,000
Repairs, roads and trails	250
Repairs, cabins and barns	147
	9,647

## Rainier National Forest—

Forty miles trail, at \$60	2,400
Repairs, cabins and barns	330
Repairs, roads and trails	400
Four rangers' houses, at \$500	2,000
Four barns, at \$100	400
Six miles pasture fence, at \$125	750
Thirty miles telephone line, at \$12	1,860
Two bridges, at \$200	400
Two miles fire line, at \$250	500
	9,040

## Siuslaw National Forest—

Four rangers' houses, at \$475	1,900
Four barns, at \$75	300
Seven miles pasture fence, at \$125	875
Repairs, roads and trails	330
Ten miles drift fence, at \$125	1,250
Ten miles trails, at \$60	600
	5,255

## Siskiyou National Forest—

Twenty miles telephone line, at \$60	1,200
Repairs, 35 miles trail, at \$30	1,050
One ranger's house	475
One ranger's house	475
One ranger's house	475
Three barns, at \$75	225
Five miles pasture fence, at \$125	625
Ten miles road, at	2,500
	7,025

## Snoqualmie National Forest—

Repairs, 10 miles road, at \$100	1,000
Thirty miles trail, at \$60	1,800
One ranger's house	475
One ranger's house	475
Two barns, at \$75	150
Three miles pasture fence, at \$125	375
Repairs on cabins, barns, and fences	400
One ranger's house	475
One barn	75
One and one-half miles pasture fence, at \$125	187
	5,412

## Tongass National Forest—

Three rangers' houses, at \$490	1,470
Three barns, at \$100	300
Five miles pasture fence, at \$125	625
Thirty-five miles trail, at \$75	2,625
Repairs, roads and trails	500
Repairs, cabins and barns	300
	5,820

## Umatilla National Forest—

One cabin	475
One barn	75
One and three-fourths miles pasture fence, at \$125	218
Twenty miles trail, at \$50	1,000
Repairs, roads and trails	600
Repairs, cabins, barns, and fences	600
	2,968

## Umpqua National Forest—

Thirty miles trail, at \$60	1,800
Ten miles road, at \$250	2,500
Repairs, trails and cabins	800
Five rangers' cabins, at \$475	2,375
Five barns, at \$75	375
Eight miles pasture fence, at \$125	1,000
One bridge	200
	9,050

## Wallowa National Forest—

Twenty-five miles telephone line, at \$60	\$1,500
Five rangers' houses, at \$475	2,375
Five barns, at \$75	375
Eight miles pasture fence, at \$125	1,000
Twenty-five miles trails, at \$60	1,500
Twenty miles trails, at \$75	1,500
Repairs, roads and trails	207
Repairs, cabins, barns, and fences	400
One bridge	300
One bridge	200
One bridge	75
	\$9,432

## Washington National Forest—

Four rangers' houses, at \$475	1,900
Four barns, at \$75	300
Seven miles pasture fence, at \$125	875
Two bridges, at \$150	300
Twenty miles telephone line, at \$75	1,500
Thirty miles trail, at \$75	2,250
Seventy miles trail, at \$50	3,500
Repairs, cabins, barns, fences	100
Repairs, roads and trails	350
	11,975

## Wenatchee National Forest—

Repairs, cabins, barns, and fences	220
Repairs, roads and trails	400
One ranger's house	475
One barn	75
Two miles pasture fence, at \$125	250
Twenty miles telephone line, at \$50	1,000
Forty miles trails, at \$50	2,000
Twenty miles trails, at \$48	960
	5,380

## Wenatchee National Forest—

Twenty miles trails, at \$100	2,000
Thirty miles trails, at \$75	2,250
Eighty miles trails, at \$500	4,000
Four rangers' houses, at \$475	1,900
Four barns, at \$75	300
Seven miles pasture fence, at \$125	875
Repairs, cabins, barns, and fences	600
Repairs, roads and trails	400
One bridge	300
Two bridges, at \$100	200
Three miles new road, at \$200	600
	13,425

## Whitman National Forest—

One ranger's house	460
One ranger's house	475
One ranger's house	450
One ranger's house	500
One ranger's house, at \$465	465
Five barns, at \$75	375
Eight miles pasture fence, at \$125	1,000
Thirty miles trails, at \$75	2,250
One bridge	175
Repairs, cabins, barns, and fences	360
Repairing 18 miles trail	270
	6,780

Total 173,079

## General Supply Depot (Ogden, Utah).

## Schedule 86.

Custodian	2,100
One clerk	1,380
One clerk	1,200
One clerk	1,020
One stenographer	1,020
Two clerks, at \$960	1,920
Ten skilled laborers, at \$900	9,000
Rent	3,600
Miscellaneous expenses (electric light and power, fuel, gas, ice, janitor's supplies, and repairs)	2,000
Total	23,240

## PURCHASE OF SUPPLIES (HEADQUARTERS, CHICAGO, ILL.).

## Summary.

## Schedule 87.

Salaries	\$4,160
Rent	500
Purchase	322,399
Total	327,059
Use	291,353
Studies	32,706
	327,059
Purchase of supplies.	
Salaries—	
Purchasing agent	\$2,000
One stenographer	1,200
One clerk	960
Rent (including light, heat, and janitor service)	4,160
	500



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

## PURCHASE OF SUPPLIES.

## Purchase.

	Number.	Price.	Cost.		Number.	Price.	Cost.
<b>Furniture and Office Equipment—</b>				<b>Stationery and Office Supplies—Continued.</b>			
Cases, 2 drawers, card filing, 4 by 6 inch.....	150	\$5.75	\$863	Envelopes, green, 3½ by 8½ inch, franked, return, M, M.....	150	\$1.06	\$159
Cases, filing, Unit No. 2.....	200	15.75	3,150	Envelopes, azure, 10 by 14 inch, franked, printed mail, M, M.....	1	49.42	50
Cases, filing, Unit No. 3.....	100	13.00	1,300	Eradicator, sets, S. P. Collins.....	1,000	.12	120
Cases, filing, Unit No. 5.....	100	21.00	2,100	Erasers, Dixon No. 874.....	10,000	.03	300
Cases, filing, Unit No. 6.....	100	13.50	1,350	Erasers, Fabers assorted (gross).....	50	7.32	366
Cases, filing, Unit No. 7.....	100	6.00	600	Erasers, K and E small sponge.....	200	.30	60
Cases, top.....	100	3.25	325	Eyelets, "Challenge" and "Triumph" boxes.....	200	.09	18
Cases, base.....	100	3.25	325	Fasteners, paper, Hotchkiss automatic.....	500	.72	360
Cases, Rangers filing unit.....	400	12.50	5,000	Fasteners, paper, pinch and O. K. (boxes).....	3,000	.13	390
Cases, leg base, 17-inch.....	400	5.50	2,200	Files, letter favorite.....	1,500	.47	705
Cases, Rangers metal filing.....	600	5.00	3,000	Files, stick.....	100	.15	15
Chairs, typewriter.....	100	4.12	412	Folders, cap size, M.....	100	6.00	600
Chairs, office.....	100	6.20	620	Folders, letter size, M.....	200	5.00	1,000
Chairs, bent wood.....	1,000	1.92	1,920	Holders, copy ideal.....	50	1.79	90
Desks, single, pedestal typewriter.....	25	23.38	585	Holders, rubber stamp, 2-wheel.....	50	1.76	88
Fire extinguishers.....	50	10.80	540	Holders, rubber stamp, 3-wheel.....	25	2.56	64
Map rolls, Jenkins.....	150	28.00	4,200	Indexes, loose sheet, A to Z; special, Y and E.....	1,000	.25	1,250
Tables, office, 60-inch.....	200	12.67	2,534	Indexes, loose sheet, A to Z, Y and E.....	3,500	.25	875
Tables, office, 48-inch.....	500	4.95	2,490	Inks, drawing, Higgins waterproof, all colors.....	10,000	.17	1,700
Typewriters, Oliver, Field.....	300	72.90	21,870	Inks, writing fluid, quart bottles.....	500	.34	170
Typewriters, Sun, Ranger.....	100	47.50	4,750	Inks, red, 2-ounce bottles, cork stoppers.....	500	.03	15
Typewriters, Remington.....	100	80.00	8,000	Inks, fountain pen in cases, filler.....	2,500	.17	425
Contingent (miscellaneous purchases that can not be anticipated).....			4,000	Inks, tubes, mimeograph.....	250	2.00	500
			\$72,134	Inks, rubber stamp, black, dozen.....	1,000	2.30	193
<b>Stationery and Office Supplies—</b>				Inks, rubber stamp, red, dozen.....	1,000	2.30	193
Bands, rubber, gross boxes.....	5,000	.26	1,300	Ink wells, plain glass.....	750	.07	53
Baskets, wire, 1, 2, and 3 tray.....	1,200	.17	204	Lye, cans.....	300	.06	18
Baskets, willow waste.....	200	.45	90	Oil, typewriter, bottles.....	500	.03	15
Binders, letter size.....	1,000	.55	550	Opener, envelope, steel.....	500	.13	65
Binders, note size.....	1,000	.55	550	Pads, desk, 19 by 24 inches.....	200	.22	44
Books, note, 5 by 8 inch, indexed.....	1,000	.22	220	Pads, rubber stamp, black and red.....	2,500	.05	125
Books, note, stenographic.....	5,000	.04	200	Paper, blotting, green and white, 19 by 24 inches, reams.....	75	7.71	580
Books, blank, letter size.....	1,000	.45	450	Paper, blotting, white, 4 by 9½ inches, reams.....	150	5.40	810
Binders, Rangers loose-leaf.....	2,500	.57	1,425	Paper, carbon, boxes.....	3,000	1.10	3,300
Bottles, color.....	2,000	.15	300	Paper, carbon, Ranger, pencil, M.....	100,000	4.00	400
Box, promise card.....	250	.25	63	Paper, coordinate, sheets, C.....	15,000	3.46	519
Brooms, whisk.....	250	.15	38	Paper, corrugated board, sheets, M.....	20,000	50.00	1,000
Brooms, corn.....	280	.30	84	Paper, cross section, 20 inches, 50 yards in rolls, R.....	100	7.50	750
Brushes, counter duster.....	250	.35	88	Paper, drawing, all widths, yards.....	7,500	.07	525
Brushes, typewriter, bone handle.....	500	.05	25	Paper, mimeograph, stencil No. 101, for field, in quires.....	300	1.80	540
Brushes, typewriter, long handle.....	500	.07	35	Paper, mimeograph, oscillating, quires.....	300	1.58	474
Brushes, scrub.....	120	.12	15	Paper, mimeograph, rotary, quires.....	300	1.80	540
Calendars, handy, pads.....	2,000	.25	500	Paper, tabulating, reams.....	10	4.80	192
Calendars, handy, frames.....	1,500	.19	285	Paper, tracing, all widths, 10-yard rolls.....	100	1.90	190
Cans, oil, typewriter.....	500	.03	15	Paper, wrapping, heavy, reams.....	150	6.00	900
Cards, index, 3 by 5 inch, M.....	700,000	1.50	1,050	Paper, Chesapeake, ruled, reams.....	4,000	.55	2,200
Cards, index, 4 by 6 inch, M.....	1,000,000	3.45	3,450	Paper, Chesapeake, printed, ruled, reams.....			*210
Cards, index, other sizes.....	100,000		500	Paper, Chesapeake, ruled, reams, pads.....			
Cards, guide, index, 3 by 5 inch, buff, 1-5 a to z, sets.....	2,000	.15	300	Paper, Crown linen, plain, reams.....			
Cards, guide, index, 3 by 5 inch, buff, 1-3 monthly, sets.....	500	.07	35	Paper, Crown linen, printed, reams.....			
Cards, guide, index, 3 by 5 inch, salmon, 1-5 day and month, sets.....	500	.18	90	Paper, impression, plain, reams.....	2,000	.30	600
Cards, guide, index, 4 by 6 inch, buff, 1-5 a to z, sets.....	2,000	.18	360	Paper, impression, printed, reams.....	4,500	.47	2,115
Cards, guide, index, 4 by 6 inch, blue, 1 cut, M.....	50,000	3.60	180	Paper, Superior linen, plain, reams.....			*3,600
Cards, guide, index, 4 by 6 inch, cut plain, buff, 1-2, M.....	50,000	3.60	180	Paper, Invincible bond, plain, reams.....			
Cards, guide, index, 4 by 6 inches, buff, 1-5 cut plain, M.....	25,000	3.60	90	Paper, Invincible bond, printed, reams.....			
Cards, guide, other sizes, assorted, M.....	20,000	5.40	108	Paper, yellow, scratch pads, 2½ by 4 inches, reams.....	6,000	.21	1,260
Cards, guide, index, letter size, buff, 1-3 cut plain, M.....	10,000	8.00	80	Paper, yellow, scratch pads, 5½ by 8 inches, reams.....			
Cards, guide, index, letter size, buff, 1-3 cut, printed, sets, M.....	2,500	8.00	20	Paper, yellow, scratch, letter size.....	1,000	.19	190
Cards, guide, index, letter size, buff, 1-5 cut plain, sets, M.....	75,000	8.00	600	Paste, photolibrary, jars.....	30	5.75	173
Cards, guide (sets), index letter size, buff, 1-5 a to z sets.....	2,000	.30	600	Pencils, colored, assorted, gross.....	400	8.80	3,520
Cases, transfer, cap size, Y and E knocked down.....	2,000	.45	900	Pencils, drawing, Kohinor, assorted, gross.....	400	3.52	1,408
Cases, transfer card, 4 by 6 inch, Y and E.....	1,000	.25	250	Pencils, "Mongol," Faber Nos. 2 and 3 tips, gross.....	150	3.68	552
Cases, transfer, letter size, Amberg.....	5,000	.25	1,250	Pencils, indelible, gross.....	5,000	.03	150
Cases, transfer, letter size, Y and E.....	100	.34	34	Penholders.....	1,000	1.80	1,800
Chamois skins.....	250	.15	38	Pens, fountain.....	2,000	.65	1,300
Clips, board.....	10,000	.05	500	Pens, steel, boxes, assorted.....	250	.06	15
Clips, paper, Gem (boxes).....	1,500	.18	270	Pen racks.....	1,500	.04	60
Clips, paper, Ideal (boxes), large.....	6	4.00	24	Pins, cones.....	1,000	.12	120
Clips, fountain pen (gross).....	10,000	.03	300	Pointers, pencils, sandpaper.....	250	.15	38
Cloth, cheese, yards.....	10,000	.40	4,000	Polish, furniture, bottles.....	50	1.12	56
Cloth, tracing, all widths.....	150	.90	135	Punches, eyelet, Triumph.....	5,000	.38	1,900
Covers, desk gingham.....	300	4.00	1,200	Ribbons, typewriter, assorted.....	500	.27	135
Crayons, lumber, assorted (gross).....	1,500	.50	750	Rulers, office, 12 and 18 inch.....	250	.17	43
Crayons, forest Atlas, legend, sets of 12.....	50	.48	24	Screw driver, typewriter.....	500	.78	390
Cups, sponge, ordinary glass (doz.).....	250	1.63	408	Shears, large and small.....	1,500	.10	150
Envelopes, manila, 3½ by 8½, M, M.....	100	2.84	284	Sponges.....	300	.75	225
Envelopes, manila, 5 by 3½ (use book), M, M.....	6,000	1.63	9,780	Superior daters.....	500	.07	35
Envelopes, manila, 6½ by 10½, franked, M.....	200	8.22	1,644	Staples, Dennison's, boxes.....	4,000	.17	680
Envelopes, manila, 9 by 11 inch, franked, let-ter mail, M, M.....	100	8.22	822	Staples, Hotchkiss, automatic, boxes.....	1,000	.02	20
Envelopes, manila, 9 by 11 inch, franked, M, M.....	100	6.69	669	Tacks, carpet, boxes of 12.....	5,000	.044	220
Envelopes, manila, 9½ by 12 inch, franked, M, M.....	75	12.00	900	Tacks, thumb, blocks of 12.....	90	2.65	239
Envelopes, manila, 10 by 14 inch, franked, M, M.....	25	12.00	300	Tags, shipping, plain, per M.....	400	.14	56
Envelopes, manila, 10 by 14 inch, franked let-ter mail, M, M.....	2,000	.98	1,960	Tape, red, spools.....	4,000	.37	1,480
Envelopes, white, 3½ by 6 inch, franked, M, M.....	2,500	1.61	1,610	Twine, jute and cotton, balls.....	3,000	.05	150
Envelopes, white, 3½ by 8½ inch, franked, return, M, M.....	500	1.61	805	Tubes, mailing, assorted.....	75	.45	34
Envelopes, white, 3½ by 8½ inch, franked, return, M, M.....	2,000	1.85	3,700	Varnish, mimeograph, bottles.....	500	.01	20
				Wax, stocks.....	300	.23	69
				Weights, paper.....			22,781
				Contingent (miscellaneous purchases that can not be anticipated).....			7,000
							\$99,781
							171,915

\* Interchangeable.



## ESTIMATES 1909-1910—THE FOREST SERVICE—Continued.

## Purchase—Continued.

	Number.	Price.	Cost.		Number.	Price.	Cost.
Field equipment—				Field instruments—Continued.			
Badges.....	1,000	\$0.25	\$250	Leveling rods.....	50	\$12.00	\$600
Bags, water, 2½-gallon.....	500	.75	375	Locke-levels.....	100	6.30	630
Bags, water, 5-gallon.....	1,000	1.00	1,000	Pens, draftsmen, assorted.....	1,000	1.00	1,000
Buckets, canvas, water.....	1,000	.80	800	Pins, surveying.....	250	1.00	250
Canteens.....	1,000	2.48	2,480	Traverse boards.....	25	12.69	318
Cases, ranger, canvas.....	1,000	.98	980	Plumb bobs.....	50	.62	31
Flags, 3 by 5 feet.....	1,500	1.50	2,250	Protractors.....	500	.60	300
Flags, 4 by 8 feet.....	400	2.10	840	Rulers, log, Scribner.....	1,500	.75	1,025
Pullocks, F. S.....	1,000	1.45	1,450	Scales, metal, 12-inch.....	100	1.50	150
Sheaths, ax, hatchet, and hammer.....	1,000	.72	720	Rule, boxwood, 6-inch.....	500	.50	250
Tent flies, 14 by 14 feet.....	400	14.34	5,740	Rule, boxwood, triangular.....	250	1.75	438
Tents, 7 by 9 feet and rangers'.....	1,000	13.85	13,850	T-Squares, assorted.....	500	.80	400
Tents, 11 by 14 feet.....	200	47.71	9,542	Straight edges, assorted.....	100	.78	78
			40,277	Tally registers.....	1,000	1.88	1,880
Contingent (miscellaneous purchases that can not be anticipated).....			4,000	Tapes, linen, 50-foot.....	200	1.73	346
			\$44,277	Tapes, steel, 12-foot.....	150	1.30	195
			216,192	Tapes, steel, 50-foot.....	500	4.50	2,250
Field instruments—				Tapes, steel, 100-foot.....	100	7.30	730
Alidades.....	100	2.75	275	Timber scribes.....	250	.80	200
Axes, marking.....	500	2.90	1,450	Triangles, zylonite, 15 degrees, assorted.....	500	.50	250
Barometers, aneroid (8, 10, and 12 M feet).....	100	12.00	1,200	Triangles, zylonite, 60 by 30 degrees.....	500	.50	250
Calipers, 34-inch.....	250	3.24	810	Tripods, camera, telescopic.....	25	3.10	78
Calipers, 50-inch.....	250	4.21	1,060	Tripods, surveyors.....	250	4.00	1,000
Calipers, 60-inch.....	100	5.44	544				42,101
Cameras, 4½ by 6½ E. 4 A. K.....	25	35.00	875	Contingent (miscellaneous purchases that can not be anticipated).....			5,000
Chains, surveyor's snap at 33.....	250	6.80	1,700				\$47,101
Compasses, pocket sight.....	500	3.60	1,800				263,293
Compasses, surveyor's.....	400	22.10	8,840	Forage—			
Curves, draftsman's.....	250	.65	163	Hay, alfalfa.....	2,848	12.00	31,176
Dies, Forest Service and United States condemned.....	50	2.50	125	Hay, timothy.....	800	9.00	7,200
Dividers, assorted.....	1,000	1.50	1,500	Barley.....	64	45.00	2,880
Field glasses, monocular.....	500	12.00	6,000	Oats.....	327	30.00	9,810
Field glasses, binocular.....	500	3.10	1,550	Corn.....	178	30.00	5,340
Hammers, marking.....	500	2.85	1,425	Wheat.....	225	12.00	2,700
Hatchets, marking.....	500	.90	450				59,106
Jacob stoffs.....	150		135	Total.....			322,399







Div. of accounts  
disbursements. [1902]  
appropriations.

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8-2432



